



Industrial



OHAUS® IIO 1907 2017



Ingeniously Practical

OHAUS® 110 1907 2017

2017 marks 110 years since Gustav Ohaus first opened his doors in Newark, NJ, as a burgeoning scale repair business. Since 1907, OHAUS has grown from a small, family run business into the leading global powerhouse in the measurement industry, building and maintaining a reputation for providing the industrial market with high quality, high value products. Our Ingeniously Practical portfolio is based on innovative features, modern design, ease-of-use, and affordability, a legacy we're proud to continue building. With an expansive portfolio of scales and balances suited to a wide range of applications, the OHAUS name is synonymous with accuracy, durability, and dependability.



OHAUS offers a full line of products designed for industrial applications, including sophisticated, newly released software for our most powerful products. The durable Ranger 7000 has been updated to include Sieve Weighing mode for testing applications where particle distribution is analyzed using graduated sieves, while the rugged, capable T72XW Indicator is now equipped with Vehicle Mode, perfect for truck scale installations, repairs, and vehicle weighing. Able to drive one platform with up to (10) 350ohm load-cells, the T72XW now provides three modes of recording vehicle weights: Temporary Tare, Permanent Tare, and Quick Mode.

We've also expanded our Defender family, with USB and Ethernet adapters for added connectivity, as well as lockable wheel kits for even more portability in the production area. To meet the need for precision weighing, we've also added 30lb bench scales and bases to our economical Defender 3000 family of dry and washdown bench scales, and all Defenders now have the option of painted or steel indicator floor stand accessories, for applications for both bench and floor scales.

From semi-micro balances up to 10,000lb floor scales, OHAUS has a product for use in every area of your facility.

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Compact Bench Scales

Ranger® 7000

Simplifying Even the Most Complex Industrial Applications

- Ten advanced modes simplify complex applications and minimize the need for manual calculations and it can also control peripheral devices and/or a scale platform with option kit.
- With one second stabilization time, up to 350,000d display resolution and Legal-for-Trade certifications, Ranger 7000's precision cannot be matched by any scale in its class.
- Ranger 7000 was developed to thrive in rugged and harsh industrial environments. This modular scale was built with IP54 metal housing and sealed metal indicator to ensure durability.



Now with Sieve Analysis Mode

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MD3		6 lb / 3 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	11 in x 11 in / 280 mm x 280 mm	30070289
R71MD6		15 lb / 6 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	11 in x 11 in / 280 mm x 280 mm	30070310
R71MD15		30 lb / 15 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070311
R71MD35		70 lb / 35 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070312
R71MD60		150 lb / 60 kg	0.002 lb / 1 g	0.02 lb / 10 g	12.2 in x 14.8 in / 311 mm x 377 mm	30212873

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MHD3	•	6 lb / 3 kg	0.00002 lb / 0.01 g	0.0002 lb / 0.1 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088840
R71MHD6	•	15 lb / 6 kg	0.00005 lb / 0.02 g	0.0005 lb / 0.2 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088841
R71MHD15	•	30 lb / 15 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088842
R71MHD35	•	70 lb / 35 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088843

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
Rechargeable Battery, EX-HiCap R71	30041295
Printer, Impact, SF40A, AM	30064203
Column Kit, Painted, R71	30095408
PCBA Kit, 2nd Platform, R71	30097590
Discrete I/O Kit, 2-In/4-Out, R71	30097591
Cable, Extension, 9m, R71	30101495
PCBA Kit, Alibi Memory, R71 T71	80500503
Accessory, In Use Cover, R71	30135320
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

Compact Bench Scales

Ranger® 4000

The Best Value for Durable Industrial Weighing

- Sturdy metal housing and slip-resistant rubber feet provide the protection and stability necessary for tough industrial weighing, while extending the product's usable life.
- The largest, white LED display on any scale in its class, combined with checkweighing LEDs and audible indicators, make Ranger 4000 highly functional in loud and dim industrial settings.
- Spend time on your work, not on mastering the technicalities of the scale. SmarText™ software makes scale setup and use very simple.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
R41ME3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236775
R41ME6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236776
R41ME15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236777
R41ME30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236778

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31 R41	30037446
Ethernet Kit, R31 RC31 R71 V71 R41	30037447
RS232 Kit, R31 RC31 R71 V71 R41	30037448
USB Kit, R31 RC31 V71 R41	30037449
In Use Cover	30240697
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

Compact Bench Scales

Ranger® 3000

Multipurpose Compact Bench Scales for Basic Industrial Applications

- Ranger 3000 has the largest display in its class and is equipped with checkweighing LEDs and backlit LCD displays which make it functional in almost any working condition.
- The most user friendly scale on the market with easy setup that ensures your valuable time is not wasted and you're working as proficiently as possible.
- Ranger 3000 produces accurate results within one second, virtually eliminates your wait time, and allows you to move at a pace determined by you, not your weighing equipment.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
R31P1502	3 lb / 1.5 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031707
R31P3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031708
R31P6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031709
R31P15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031710
R31P30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031711

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71 R41	30037447
RS232 Kit, R31 RC31 R71 V71 R41	30037448
USB Kit, R31 RC31 V71 R41	30037449
In-Use-Cover, R21 RC21 R31 RC31 R41	30037451
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Carrying Case, TR TC R31 TC31 V71	80850084
Software, Winwedge	80850080

Counting Scales

Ranger® 7000

Simplifying Even the Most Complex Industrial Applications

- Ten advanced modes simplify complex applications and minimize the need for manual calculations and it can also control peripheral devices and/or a scale platform with option kit.
- With one second stabilization time, up to 350,000d display resolution and Legal-for-Trade certifications, Ranger 7000's precision cannot be matched by any scale in its class.
- Ranger 7000 was developed to thrive in rugged and harsh industrial environments. This modular scale was built with IP54 metal housing and sealed metal indicator to ensure durability.



**Now with added
Counting Features**

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MD3		6 lb / 3 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	11 in x 11 in / 280 mm x 280 mm	30070289
R71MD6		15 lb / 6 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	11 in x 11 in / 280 mm x 280 mm	30070310
R71MD15		30 lb / 15 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070311
R71MD35		70 lb / 35 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070312
R71MD60		150 lb / 60 kg	0.002 lb / 1 g	0.02 lb / 10 g	12.2 in x 14.8 in / 311 mm x 377 mm	30212873

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MHD3	•	6 lb / 3 kg	0.00002 lb / 0.01 g	0.0002 lb / 0.1 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088840
R71MHD6	•	15 lb / 6 kg	0.00005 lb / 0.02 g	0.0005 lb / 0.2 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088841
R71MHD15	•	30 lb / 15 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088842
R71MHD35	•	70 lb / 35 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088843

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
Rechargeable Battery, EX-HiCap R71	30041295
Printer, Impact, SF40A, AM	30064203
Column Kit, Painted, R71	30095408
PCBA Kit, 2nd Platform, R71	30097590
Discrete I/O Kit, 2-In/4-Out, R71	30097591
Cable, Extension, 9m, R71	30101495
PCBA Kit, Alibi Memory, R71 T71	80500503
Accessory, In Use Cover, R71	30135320
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

Counting Scales

Ranger® Count 4000

The Best Value for Durable Industrial Counting

- Sturdy metal housing and slip-resistant rubber feet provide the protection and stability necessary for tough industrial weighing while extending the scale's usable life.
- Accurate weighing and counting performance is assured through Ranger Count 4000's 1:1,500,000 internal counting resolution, 30 item library and auto-optimization software that reduces errors and ensures accuracy.
- The combination of SmarText™ software, a centrally located count display and dedicated Sample & Tare keys make Ranger Count 4000 very easy to operate.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
RC41M3	6 lb / 3 g	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236779
RC41M6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236940
RC41M15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236941
RC41M30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236942

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31 RC41	30037446
Ethernet Kit, R31 RC31 R71 V71 RC41	30037447
RS232 Kit, R31 RC31 R71 V71 RC41	30037448
USB Kit, R31 RC31 V71 RC41	30037449
In Use Cover	30240697
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

Counting Scales

Ranger® Count 3000

Multipurpose Compact Counting Scales for Basic Industrial Applications

- Accurate weighing and counting performance is assured through Ranger Count 3000's high resolution, 30 item library function and auto-optimization software that reduces errors.
- The 3 backlit LCD displays, including a centrally located count display, along with an easy-to-navigate menu, make Ranger Count 3000 easy to use in multi-step counting operations.
- Ranger Count 3000 produces accurate results within one second and virtually eliminates your wait time and allows you to move at a pace determined by you, not your weighing equipment.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
RC31P1502	3 lb / 1.5 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031787
RC31P3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031788
RC31P6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031789
RC31P15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031790
RC31P30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031791

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31	30037446
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
USB Kit, R31 RC31 V71	30037449
Hook, R21 RC21 R31 RC31 V71	30037450
In-Use-Cover, R21 RC21 R31 RC31	30037451
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Carrying Case, TR TC R31 TC31 RC31	80850084
Software, Winwedge	80850080

Bench Scales

Defender® 7000

High Performance Bench Scales for Advanced Applications

- Defender 7000 has advanced features such as accumulation mode, a 255-item library and optional alibi memory capability, as well as a 1:15,000 maximum displayed resolution.
- This advanced scale has dual-scale capabilities in which it can display the weights from two platforms and is powerful enough to drive up to 8 - 350 ohm load cells per platform.
- Defenders with H bases have a stainless steel platform, painted form-and-weld frame, column and indicator bracket, and aluminum loadcell.



Model	Protection Rating	Capacity	Read.	Certified Readability	Platform Size	Item No.
D71XW10WR3	IP66; NEMA 4X	20 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501537
D71XW15HR1	Not Applicable	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305mm	80501358
D71XW25WR3	IP66; NEMA 4X	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501538
D71XW30HR1	Not Applicable	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80501359
D71XW50WL4	IP66; NEMA 4X	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501539
D71XW60HR1	Not Applicable	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80501360
D71XW60HL2					19.7 in x 15.7 in / 500 mm x 400 mm	80501361
D71XW100HL2		250 lb / 100 kg		0.02 lb / 10 g	0.1 lb / 50 g	19.7 in x 15.7 in / 500 mm x 400 mm
D71XW100WL4	IP66; NEMA 4X	18 in x 18 in / 457 mm x 457 mm	80501540			
D71XW150HX2	Not Applicable	300 lb / 150 kg	21.7 in x 16.5 in / 550 mm x 420 mm			80501363
D71XW250WX4	IP66; NEMA 4X	500 lb / 250 kg	0.05 lb / 20 g	0.2 lb / 100 g	24 in x 24 in / 610 mm x 610 mm	80501541
D71XW300HX2	Not Applicable	600 lb / 300 kg			21.7 in x 16.5 in / 550 mm x 420 mm	80501364

Bench Scales

Defender® 7000

High Performance Bench Scales for Advanced Applications

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
PCBA Kit, Alibi Memory, R71 T71	80500503
Cable, RS232, CKW TxxXW	80500552
Relay Kit, AC, T51 T71	80500720
Wheel Kit, Defenders	30372146
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Wall Mount Kit, SST, T51XW T71XW	80500735
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154

Bench Scales

Defender® 7000

High Performance Bench Scales for Advanced Applications

- Defender 7000 has advanced features such as accumulation mode, a 255-item library and optional alibi memory capability, as well as a 1:15,000 maximum displayed resolution.
- This advanced scale has dual-scale capabilities in which it can display the weights from two platforms and is powerful enough to drive up to 8 - 350 ohm load cells per platform.
- The ultra-durable Defender 7000 has a stainless steel platform, painted form-and-weld frame, column, and indicator bracket, aluminum IP67 load cell as well as an ABS indicator.



Ethernet and USB
Available

Model	Capacity	Read.	Certified Readability	Platform Size	Item No.
D71P10QR1	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501477
D71P15HR1	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	80501303
D71P25QR1	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501478
D71P30HR1	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80501304
D71P50QL2	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501479
D71P60HR1	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80501305
D71P60HL2				19.7 in x 15.7 in / 500 mm x 400 mm	80501306
D71P100HL2	250 lb / 100 kg	0.02 lb / 10 g	0.1 lb / 50 g	19.7 in x 15.7 in / 500 mm x 400 mm	80501307
D71P100QL2				18 in x 18 in / 457 mm x 457 mm	80501480
D71P150HX2	300 lb / 150 kg			21.7 in x 16.5 in / 550 mm x 420 mm	80501308
D71P250QX2	500 lb / 250 kg	0.05 lb / 20 g		24 in x 24 in / 610 mm x 610 mm	80501481
D71P300HX2	600 lb / 300 kg		0.2 lb / 100 g	21.7 in x 16.5 in / 550 mm x 420 mm	80501309

Bench Scales

Defender® 7000

High Performance Bench Scales for Advanced Applications

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Wall Mount Kit, Painted, T51P T71P	72200227
Printer, Thermal, STP-103, US	80251992
PCBA Kit, Alibi Memory, R71 T71	80500503
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Relay Kit, AC, T51 T71	80500720
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Wheel Kit, Defenders	30372146
Base Mount Kit, Painted, T51P T71P	80500722
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Cable Kit, Loadcell Adapter, T51 T71	80500736
Software, Winwedge	80850080
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Bench Scales

Defender® 7000 Low Profile

Multi-Functional, High Quality Modular Scale
For Advanced Applications



Ethernet and USB
Available

- Full alphanumeric keypad, dual-line display supporting English, Spanish or French text, checkweighing LEDs.
- Advanced parts counting with dual-scale, dynamic weighing, percent weighing, display hold, checkweighing, accumulation, time/date, temporary expanded 10x readability mode, library mode with 255 memory location.
- GMP data output with date, time user ID, project ID and scale ID, statistics, lb, oz, lb:oz, g, kg, metric tonnes, user-defined custom unit.

Model	Capacity	Read.	Certified Readability	Platform Size	Item No.
D71P10QR5	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501487
D71P15HR5	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	80501324
D71P25QR5	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501488
D71P30HR5	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80501325
D71P50QL5	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501489
D71P60HR5	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80501326
D71P60HL5				19.7 in x 15.7 in / 500 mm x 400 mm	80501327
D71P100HL5	250 lb / 100 kg	0.02 lb / 10 g	0.1 lb / 50 g	19.7 in x 15.7 in / 500 mm x 400 mm	80501328
D71P100QL5				18 in x 18 in / 457 mm x 457 mm	80501490
D71P150HX5	300 lb / 150 kg			21.7 in x 16.5 in / 550 mm x 420 mm	80501329
D71P250QX5	500 lb / 250 kg	0.05 lb / 20 g	0.2 lb / 100 g	24 in x 24 in / 610 mm x 610 mm	80501491
D71P300HX5	600 lb / 300 kg			21.7 in x 16.5 in / 550 mm x 420 mm	80501330

Bench Scales

Defender® 7000 Low Profile

Multi-Functional, High Quality Modular Scale
For Advanced Applications

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Wall Mount Kit, Painted, T51P T71P	72200227
Printer, Thermal, STP-103, US	80251992
PCBA Kit, Alibi Memory, R71 T71	80500503
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Relay Kit, AC, T51 T71	80500720
Base Mount Kit, Painted, T51P T71P	80500722
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Software, Winwedge	80850080
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Bench Scales

Defender® 5000

Multifunctional Bench Scales for Standard Industrial Applications

- Defender 5000 features software for parts counting, dynamic weighing, percent weighing, checkweighing, display hold for large containers and can meet traceability requirements.
- Multiple connectivity capabilities include built-in RS232 bi-directional interface and external input as well as optional RS422/485, second RS232 and AC or DC relay.
- Defenders with H bases have a stainless steel platform, painted form-and-weld frame, column and indicator bracket, and aluminum loadcell.



Model	Protection Rating	Capacity	Read.	Certified Readability	Platform Size	Item No.
D51XW10WR3	IP66; NEMA 4X	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501214
D51XW15HR1	Not Applicable	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	80500907
D51XW25WR3	IP66; NEMA 4X	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501215
D51XW30HR1	Not Applicable	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80500908
D51XW50WL4	IP66; NEMA 4X	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501216
D51XW60HR1	Not Applicable	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80500909
D51XW60HL2			0.1 lb / 50 g	19.7 in x 15.7 in / 500 mm x 400 mm	80500910	
D51XW100WL4	IP66; NEMA 4X	250 lb / 100 kg		18 in x 18 in / 457 mm x 457 mm	80501217	
D51XW100HL2	Not Applicable	300 lb / 150 kg		19.7 in x 15.7 in / 500 mm x 400 mm	80500911	
D51XW150HX2				21.7 in x 16.5 in / 550 mm x 420 mm	80500912	
D51XW250WX4	IP66; NEMA 4X	500 lb / 250 kg	0.05 lb / 20 g	0.2 lb / 100 g	24 in x 24 in / 610 mm x 610 mm	80501218
D51XW300HX2	Not Applicable	600 lb / 300 kg			21.7 in x 16.5 in / 550 mm x 420 mm	80500913

Bench Scales

Defender® 5000

Multifunctional Bench Scales for Standard Industrial Applications

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, CKW TxxXW	80500552
Relay Kit, AC, T51 T71	80500720
Relay Kit, DC, T51 T71	80500727
Wheel Kit, Defenders	30372146
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Wall Mount Kit, SST, T51XW T71XW	80500735
Cable Kit, Loadcell Adapter, T51 T71	80500736
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154

Bench Scales

Defender® 5000

Multifunctional Bench Scales for Standard Industrial Applications

- Defender 5000 features software for parts counting, dynamic weighing, percent weighing, checkweighing, display hold for large containers and can meet traceability requirements.
- Multiple connectivity capabilities include built-in RS232 bi-directional interface and external input as well as optional RS422/485, second RS232 and AC or DC relay.
- The durable Defender 5000 has a stainless steel platform, painted form-and-weld frame, column, and indicator bracket, IP67 load cell, as well as an ABS plastic indicator.



Ethernet and USB
Available

Model	Capacity	Read.	Certified Readability	Platform Size	Item No.
D51P10QR1	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501154
D51P15HR1	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	80500511
D51P25QR1	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501155
D51P30HR1	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80500512
D51P50QL2	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501156
D51P60HR1	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80500513
D51P60HL2		19.7 in x 15.7 in / 500 mm x 400 mm		80500514	
D51P100QL2	250 lb / 100 kg	0.02 lb / 10 g	0.1 lb / 50 g	18 in x 18 in / 457 mm x 457 mm	80501157
D51P100HL2		0.05 lb / 20 g		19.7 in x 15.7 in / 500 mm x 400 mm	80500515
D51P150HX2	300 lb / 150 kg	0.02 lb / 10 g	0.2 lb / 100 g	21.7 in x 16.5 in / 550 mm x 420 mm	80251833
D51P250QX2	500 lb / 250 kg	0.05 lb / 20 g		24 in x 24 in / 610 mm x 610 mm	80501158
D51P300HX2	600 lb / 300 kg		21.7 in x 16.5 in / 550 mm x 420 mm	80500516	

Bench Scales

Defender® 5000

Multifunctional Bench Scales for Standard Industrial Applications

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Cable, SF42-AV DV MB Ranger	80500571
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102
Wheel Kit, Defenders	30372146
Relay Kit, AC, T51 T71	80500720
Base Mount Kit, Painted, T51P T71P	80500722
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154

Bench Scales

Defender® 5000 Low Profile

Smart Functionality and Durability for Industrial Applications

- Applications including dynamic weighing and checkweighing
- Defender 5000 offers multiple weighing modes including counting, percent weighing, dynamic/animal weighing and checkweighing to meet the needs of various applications and industries.
- Includes an internal power supply with universal line cord or can be powered by 6 C (LR14) batteries for up to 80 hours.



**Ethernet and USB
Available**

Model	Capacity	Read.	Certified Readability	Platform Size	Item No.
D51P10QR5	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80501164
D51P15HR5	30 lb / 15 kg		0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	80500799
D51P25QR5	50 lb / 25 kg	0.005 lb / 2 g		12 in x 12 in / 305 mm x 305 mm	80501165
D51P30HR5	60 lb / 30 kg		0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	80500800
D51P50QL5	100 lb / 50 kg	0.01 lb / 5 g		18 in x 18 in / 457 mm x 457 mm	80501166
D51P60HR5	150 lb / 60 kg		0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	80500801
D51P60HL5		19.7 in x 15.7 in / 500 mm x 400 mm		80500802	
D51P100QL5	250 lb / 100 kg	0.02 lb / 10 g	18 in x 18 in / 457 mm x 457 mm	80501167	
D51P100HL5			0.1 lb / 50 g	19.7 in x 15.7 in / 500 mm x 400 mm	80500803
D51P150HX5	300 lb / 150 kg	0.05 lb / 20 g		21.7 in x 16.5 in / 550 mm x 420 mm	80500804
D51P250QX5	500 lb / 250 kg		0.2 lb / 100 g	24 in x 24 in / 610 mm x 610 mm	80501168
D51P300HX5	600 lb / 300 kg	21.7 in x 16.5 in / 550 mm x 420 mm		80500805	
Accessories					Item No.
Printer, Impact, SF40A, AM					30064203
Printer, Thermal, STP-103, US					80251992
Cable, RS232, IBM 9P, AV DV MB Ranger					80500525
Relay Kit, AC, T51 T71					80500720
Base Mount Kit, Painted, T51P T71P					80500722
Relay Kit, DC, T51 T71					80500727
Rechargeable Battery Kit, T51 T71					80500729
RS422/485 Kit, T51 T71					80500731
RS232 Kit, T51 T71					80500733
Software, Winwedge					80850080
Interface Kit, RS232-USB					30304101
Interface Kit, RS232-Ethernet					30304102

Bench Scales

Defender® 3000 Washdown

Economical Stainless Steel Bench Scales for Basic Industrial Washdown Applications

- The NEMA 4X/IP65 stainless steel indicator can endure tough industrial elements while the internal rechargeable battery powers operation for 58 hours.
- The tough Defender 3000 has a stainless steel platform, stainless steel tubular frame, column and indicator bracket, IP67 stainless steel load cell.
- Simple operation, an easy-to-read display and even basic counting mode round out this industrial indicator, making it ideal for everyday basic industrial use.



30 lb Model
Now Available

Model	Protection Rating	Capacity	Read.	Certified Readability	Platform Size	Item No.
D32XW15VR		30 lb / 15 kg	0.005 lb / 0.002 kg	0.01 lb / 0.005 kg	14 in x 12 in / 355 mm x 305 mm	30369114
D32XW30VR		66 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	83999817
D32XW60VR					14 in x 12 in / 355 mm x 305 mm	83999818
D32XW60VL		132 lb / 60 kg	0.02 lb / 10 g	0.05 lb / 20 g	21.7 in x 16.5 in / 550 mm x 420 mm	83999819
D32XW150VL	IP65; NEMA 4X				21.7 in x 16.5 in / 550 mm x 420 mm	83999820
D32XW150VX		330 lb / 150 kg	0.05 lb / 20 g	0.1 lb / 50 g	25.6 in x 19.7 in / 650 mm x 500 mm	83999821
D32XW300VX		660 lb / 300 kg	0.1 lb / 50 g	0.2 lb / 100 g	25.6 in x 19.7 in / 650 mm x 500 mm	83999822

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, CKW TxxXW	80500552
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Wheel Kit, Defenders	30372146

Bench Scales

Defender® 3000

Economical Bench Scales for Basic Industrial Applications

- Defender 3000 is OIML approved, NTEP certified, and Measurement Canada approved for use in all legal-for-trade applications.
- The durable Defender 3000 has a 304 stainless steel platform, aluminum IP67 load cell, as well as a painted tubular steel frame, column and indicator bracket.
- The ultra-long-lasting internal rechargeable battery provides operation on a single charge for up to 120 hours, ensuring uninterrupted operation for five straight days.



**Ethernet, USB and
30 lb Model
Now Available**

Model	Capacity	Read.	Certified Readability	Platform Size	Item No.
D31P15BR	30 lb / 15 kg	0.005 lb / 0.002 kg	N/A	14 in x 12 in / 355 mm x 305 mm	30369116
D31P30BR	66 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	83998111
D31P60BR	132 lb / 60 kg	0.02 lb / 10 g	0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	83998112
D31P60BL				21.7 in x 16.5 in / 550 mm x 420 mm	83998113
D31P150BL	330 lb / 150 kg	0.05 lb / 20 g	0.1 lb / 50 g	21.7 in x 16.5 in / 550 mm x 420 mm	83998114
D31P150BX				25.6 in x 19.7 in / 650 mm x 500 mm	83998115
D31P300BX	660 lb / 300 kg	0.1 lb / 50 g	0.2 lb / 100 g	25.6 in x 19.7 in / 650 mm x 500 mm	83998116

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102
Wheel Kit, Defenders	30372146

Bench Scales

ES Series

Multipurpose Low Profile Shipping Scale

- With different size low-profile platforms, there are ES scales that can accommodate weighing loads of different shapes and sizes.
- The three-way mounting bracket allows you to mount the indicator to the scale base, above the scale platform, or on any vertical surface for maximum flexibility.
- The sturdy and durable ES has a stainless steel platform and painted steel frame.



Model	Capacity	Readability	Platform Size	Item No.
ES6R	13 lb / 6 kg	0.005 lb / 0.002 kg	12.2 in x 10.8 in / 310 mm x 270 mm	71138830
ES30R	66 lb / 30 kg	0.05 lb / 0.01 kg	12.2 in x 10.8 in / 310 mm x 270 mm	71138831
ES50R	110 lb / 50 kg	0.05 lb / 0.02 kg	12.2 in x 10.8 in / 310 mm x 270 mm	71138832
ES50L			20.5 in x 15.7 in / 520 mm x 400 mm	71138833
ES100L	220 lb / 100 kg	0.1 lb / 0.05 kg	20.5 in x 15.7 in / 520 mm x 400 mm	71138834
ES200L	440 lb / 200 kg	0.2 lb / 0.1 kg	20.5 in x 15.7 in / 520 mm x 400 mm	71138835

Bench Scales

SD Series

Rugged Economical Shipping Scales

- The SD is available in three capacities of 35 kg, 75 kg and 200 kg and two platform sizes to meet the weighing needs of jobs of different physical sizes and capacities.
- SD's painted steel platform and frame provides sturdy support for all materials placed on the platform.
- SD not only provides accurate general weight determination but also has the software to support dynamic/animal weighing and display hold.



Model	Capacity	Readability	Platform Size	Item No.
SD35	77 lb / 35 kg	0.05 lb / 0.02 kg	12.4 in x 11 in / 316 mm x 280 mm	83998234
SD75	165 lb / 75 kg	0.1 lb / 0.05 kg	12.4 in x 11 in / 316 mm x 280 mm	83998235
SD75L			20.5 in x 15.7 in / 520 mm x 400 mm	83998236
SD200	440 lb / 200 kg	0.2 lb / 0.1 kg	12.4 in x 11 in / 316 mm x 280 mm	83998237
SD200L			20.5 in x 15.7 in / 520 mm x 400 mm	83998238

Bench Scales

Catapult® 1000

Economical Compact Shipping Scales

- The sturdy ABS plastic housing and platform with optional stainless steel platform make Catapult sturdy yet easy to maneuver and fit into your workspace.
- Bring the Catapult 1000 right to your work with the integrated carrying handle and its battery powered operation.
- Catapult 1000 not only provides accurate general weight determination but also has the software to support dynamic/animal weighing and display hold.



Model	Capacity	Readability	Platform Size	Item No.
C11P9	20 lb / 9 kg	0.01 lb / 0.005 kg	11 in x 12.4 in / 280 mm x 316 mm	83998137
C11P20	44 lb / 20 kg	0.02 lb / 0.01 kg	11 in x 12.4 in / 280 mm x 316 mm	83998138
C11P75	165 lb / 75 kg	0.1 lb / 0.05 kg	11 in x 12.4 in / 280 mm x 316 mm	83998139

Accessories	Item No.
Pan, SST, C11P	80251248

Food Processing Scales

CKW Checkweigher

Advanced Checkweighing Bench Scale for Food Processing Use

- The CKW features multiple checkweighing options including Positive, Negative, Zero or Net and statistical capabilities to provide accurate results for advanced checkweighing needs.
- CKW is NSF Certified, USDA-AMS Accepted, and supports HACCP-certified systems, and is safe for use in food processing applications.
- The base's open framework can be thoroughly cleaned to eliminate the risk of contamination caused by residue build up.



Model	Protection Rating	Capacity	Readability	Certified Readability	Platform Size	Item No.
CKW3R55	IP66	6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	10 in x 10 in / 254 mm x 254 mm	80251041
CKW6R55		15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	10 in x 10 in / 254 mm x 254 mm	80251042
CKW15L55		30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	12 in x 12 in / 305 mm x 305 mm	80251043
CKW30L55		60 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	12 in x 12 in / 305 mm x 305 mm	80251044

Accessories	Item No.
Wall Mount Kit, SST, CKW	71167964
Rechargeable Battery Kit, CKW	71167966
Relay Kit, AC, CKW	71167967
Relay Kit, DC, CKW	71173377
Cable, RS232, CKW TxxXW	80500552
Software, Winwedge	80850080

Food Processing Scales

Valor® 7000

The Best Compact Food Scale in its Class

- Front and rear touchless sensors allow Valor 7000 to operate certain functions and its food-safe design is NSF Certified, USDA-AMS Accepted, and supports HACCP-Certified systems.
- Large front and rear displays with backlights and checkweighing LEDs are among Valor 7000's features that enhance the user experience and allow two operators to share one scale.
- Valor 7000 produces accurate results within one second to virtually eliminate your wait time and allows you to move at a pace determined by you, not your weighing equipment.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
V71P1502T	3 lb / 1.5 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031827
V71P3T	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031828
V71P6T	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031829
V71P15T	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031830
V71P30T	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031831

Accessories	Item No.
In-Use-Cover, V71	30037445
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
USB Kit, R31 RC31 V71	30037449
Hook, R21 RC21 R31 RC31 V71	30037450
In-Use-Cover, Set(10), V71	30037469
Printer, Impact, SF40A, AM	30064203
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Carrying Case, TR TC R31 TC31 V71	80850084
Software, Winwedge	80850080

Food Processing Scales

FD Series

Speed, Durability and Cleanliness Designed for Food Service Use

- The fully stainless steel FD is NSF Certified and supports HACCP-Certified systems helping to ensure the integrity and safety of the weighing of all food products.
- With software for general weighing, percent weighing and checkweighing, the FD can be used for a variety of food weighing needs.
- The 120-hour internal rechargeable battery will help ensure that your scale is up and running when you need it, even during long shifts.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
FD3H	6 lb / 3 kg	0.0002 lb / 0.1 g	—	8.2 in x 8.2 in / 209 mm x 209 mm	83998147
FD6H	15 lb / 6 kg	0.001 lb / 0.2 g		8.2 in x 8.2 in / 209 mm x 209 mm	83998148
FD15H	30 lb / 15 kg	0.001 lb / 1 g		8.2 in x 8.2 in / 209 mm x 209 mm	83998149

Approved Model*	Capacity	Readability	Certified Readability	Platform Size	Item No.
FD3	6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998117
FD6	15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998118
FD15	30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998119

Accessories	Item No.
Foot Switch Kit, FD V51	71169633
In-Use-Cover, FD V51	80251140
Pan, SST, Flat, FD V51	80251141
Carrying Case, FD V51	80251394

Food Processing Scales

Valor® 4000

Legal-for-Trade Food Scale That Enhances Efficiency in Harsh Environments

- With Legal-for-Trade certifications and a food-safe design that is NSF Certified, USDA-AMS Accepted and supports HACCP Certified systems, Valor 4000 is ready for demanding applications.
- Touchless sensors combined with a half second stabilization time, as well as checkweighing and percent weighing modes, increase productivity without sacrificing accuracy.
- Safe to use in wet environments, Valor 4000's flow-thru design ensures the scale remains clean and operational, and its knife resistant keypad makes the scale more durable.



XW Models Feature Stainless Steel Top Housing

Model	Protection Rating	Cap.	Read.	Certified Readability	Platform Size	Item No.
V41XWE1501T	IPX8	3 lb / 1.5 kg	0.0005 lb / 0.2 g	0.001 lb / 0.5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035444
V41XWE3T		6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035445
V41XWE6T		15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035446
V41XWE15T		30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035447

PW Models Feature ABS Housing

Model	Protection Rating	Cap.	Read.	Certified Readability	Platform Size	Item No.
V41PWE1501T	IPX8	3 lb / 1.5 kg	0.0005 lb / 0.2 g	0.001 lb / 0.5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035434
V41PWE3T		6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035435
V41PWE6T		15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035436
V41PWE15T		30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035437

Accessories	Item No.
Large Pan, 11.8 x 8.8 in V22 V41	30251753

Food Processing Scales

Valor® 3000

Rugged, Full Stainless Steel Design in a High Performance Portable Scale

- The stainless steel Valor 3000 Xtreme is NSF Certified and supports HACCP-Certified systems helping to ensure the integrity and safety of all food products weighed on the scale.
- The compact Valor 3000 Xtreme requires minimal counter space and offers resolutions up to 40,000d and 0.01 g, providing precise measurements in demanding environments.
- With software for general weighing, percent weighing and specific gravity, the Valor 3000 can be used for a variety of food weighing and measurement needs.



Model	Protection Rating	Cap.	Read.	Certified Readability	Platform Size	Item No.
V31XH202	Not Applicable	0.441 lb / 200 g	0.00005 lb / 0.01 g	—	Ø 4.7 in / Ø 120 mm	83998130
V31XW301	IP65; NEMA 4X	0.662 lb / 300 g	0.0005 lb / 0.1 g		6.2 in x 5.7 in / 158 mm x 146 mm	83998134
V31XH402	Not Applicable	0.88 lb / 400 g	0.00005 lb / 0.01 g		Ø 4.7 in / Ø 120 mm	83998178
V31X501		1.1 lb / 500 g	0.0005 lb / 0.1 g		Ø 4.7 in / Ø 120 mm	83998176
V31XH2		4.4 lb / 2 kg			6.2 in x 5.7 in / 158 mm x 146 mm	83998131
V31X3		6 lb / 3 kg	0.005 lb / 1 g		6.2 in x 5.7 in / 158 mm x 146 mm	83998132
V31XH4		8.8 lb / 4 kg	0.0005 lb / 0.1 g		6.2 in x 5.7 in / 158 mm x 146 mm	83998177
V31X6		15 lb / 6 kg	0.005 lb / 1 g		6.2 in x 5.7 in / 158 mm x 146 mm	83998133

Approved Model*	Protection Rating	Cap.	Read.	Certified Readability	Platform Size	Item No.
V31XW3	IP65; NEMA 4X	6 lb / 3 kg	0.005 lb / 0.5 g	0.005 lb / 1 g	6.2 in x 5.7 in / 158 mm x 146 mm	83998135
V31X3N	Not Applicable				6.2 in x 5.7 in / 158 mm x 146 mm	83999992
V31X6N		13.23 lb / 6 kg	0.005 lb / 1 g	0.005 lb / 2 g	6.2 in x 5.7 in / 158 mm x 146 mm	83999996
V31XW6	IP65; NEMA 4X	15 lb / 6 kg			6.2 in x 5.7 in / 158 mm x 146 mm	83998136

Accessories						Item No.
Large Pan, SST, Sandwich, V31						80251147
Holder, SST, French Fries, V31						80251148
Holder, SST, Ice Cream Cone, V31						80251149
Carrying Case, V31						80251216

Food Processing Scales

Valor® 2000

A Rapid-Response Food Scale That Enhances Productivity in Harsh Environments

- Valor 2000 has a polycarbonate keypad that can endure contact with knives or sharp instruments used daily in demanding food preparation, processing and portioning applications.
- Safe to use in the weighing of liquids and in wet environments, Valor 2000 is NSF Certified and has a flow-thru design that ensures the scale remains clean and operational.
- With less than half a second stabilization time and front and rear LED displays, multiple operators can efficiently utilize one scale for the same job.



60 lb Models Now Available

XW Models Feature Stainless Steel Top Housing

Model	Protection Rating	Capacity	Readability	Platform Size	Item No.
V22XWE1501T	IPX8	3 lb / 1.5 kg	0.0005 lb / 0.2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035439
V22XWE3T		6 lb / 3 kg	0.001 lb / 0.5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035440
V22XWE6T		15 lb / 6 kg	0.002 lb / 1 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035441
V22XWE15T		30 lb / 15 kg	0.005 lb / 2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035442
V22XWE30T		60 lb / 30 kg	0.01 lb / 5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30251705

PW Models Feature ABS Housing

Model	Protection Rating	Capacity	Readability	Platform Size	Item No.
V22PWE1501T	IPX8	3 lb / 1.5 kg	0.0005 lb / 0.2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035682
V22PWE3T		6 lb / 3 kg	0.001 lb / 0.5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035683
V22PWE6T		15 lb / 6 kg	0.002 lb / 1 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035684
V22PWE15T		30 lb / 15 kg	0.005 lb / 2 g	7.5 in x 9.5 in / 190 mm x 242 mm	30035685
V22PWE30T		60 lb / 30 kg	0.01 lb / 5 g	7.5 in x 9.5 in / 190 mm x 242 mm	30251704

Accessories	Item No.
Large Pan, 11.8 x 8.8 in V22 V41	30251753

Food Processing Scales

Valor® 1000

Economical, Multipurpose Weighing



- Valor 1000 is NSF Certified and supports HACCP-Certified systems helping to ensure the integrity and safety of all food products weighed on the scale.
- With software for general weighing, checkweighing, and accumulation, Valor 1000 can be used for a variety of food weighing and measurement needs.
- An 80-hour internal rechargeable battery provides portability and ensures the scale will be operational when you need it.

Model	Dual Display	Capacity	Readability	Platform Size	Item No.
V11P3		6.6 lb / 3 kg	0.001 lb / 0.5 g	9.9 in x 7.1 in / 250 mm x 180 mm	83998126
V11P3T	•			9.9 in x 7.1 in / 250 mm x 180 mm	83998172
V11P6		13 lb / 6 kg	0.002 lb / 1 g	9.9 in x 7.1 in / 250 mm x 180 mm	83998127
V11P6T	•			9.9 in x 7.1 in / 250 mm x 180 mm	83998173
V11P15		33 lb / 15 kg	0.005 lb / 2 g	9.9 in x 7.1 in / 250 mm x 180 mm	83998128
V11P15T	•			9.9 in x 7.1 in / 250 mm x 180 mm	83998174
V11P30		66 lb / 30 kg	0.01 lb / 5 g	9.9 in x 7.1 in / 250 mm x 180 mm	83998129
V11P30T	•			9.9 in x 7.1 in / 250 mm x 180 mm	83998175

Price Computing Scales

Aviator 7000*

Versatile Counter Top Price Computing Scale for Retail Business

- Quick-response light-touch keyboard with exchangeable preset card and keysheet layers.
- Standard alkaline D-cell or rechargeable NiMH batteries plus integrated carry handles for portability.
- Multiple connection possibilities - RS232 or USB to POS, RS232 to external printer.
- T models have tower mounted back display.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
A71P15DNUS	15 lb; 30 lb / 6 kg; 15 kg	0.005 lb;	0.005 lb;	9.5 in x 13.3 in / 240 mm x 337 mm	72248760
A71P15DTNUS		0.01 lb / 2 g; 5 g	0.01 lb / 2 g; 5 g		72248762
A71P30DNUS	30 lb; 60 lb / 15 kg; 30 kg	0.01 lb;	0.01 lb;		72248761
A71P30DTNUS		0.02 lb / 5 g; 10 g	0.02 lb / 5 g; 10 g		72248763

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Rechargeable Battery, x6, NiMH, bRite A71	72151831
SP, Keypad, Silicone, bRite A71	72231249
Keypad White Silicone Pad bRite A71	72231250
Cable, RJ45-RS232, POS, bRite A71	72237981
Cable, RJ45-USB, POS, bRite A71	72237984
Function Keyboard NA 100g OHAUS bLite	72241852
In-Use-Cover, bRite A51 A71	72247038
In-Use-Cover, Pan, bRite A51 A71	72247039
Pan, Rectangle, Deep, bRite A51 A71	72247115
Cable, RJ45-RS232, Printer, bRite A71	72249531
Thermal Printer Head Assy bRite A71 AM	72253293
Paper Roll, (1), Printer, bRite A71	72255953
Printer, Thermal, STP-103, US	80251992

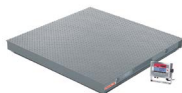
* Available exclusively in U.S.

Floor Scales

VX Series

Economical Floor Scale for Basic Industrial Applications

- VX is ruggedly constructed and includes an epoxy painted steel frame, a NEMA 4X/IP65 stainless steel indicator, NEMA 4X/IP67 sealed plastic junction box and IP67 sealed load cells.
- The included internal rechargeable battery keeps the scale running and allows for placement of the platform away from outlets while the backlit LCD projects large 1" digits.
- Weighing and counting modes produce results in five weighing units, and the included RS232 provides the ability to connect the scale to a printer or PC for data reporting purposes.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
VX32XW5000X	5000 lb / 2200 kg	1 lb / 0.5 kg	—	5 ft x 5 ft / 1,524 mm x 1,524 mm	80253296
VX32XW10000L	10000 lb / 4500 kg	2 lb / 1 kg		4 ft x 4 ft / 1,219 mm x 1,219 mm	80253297
VX32XW10000X				5 ft x 5 ft / 1,524 mm x 1,524 mm	80253298

Approved Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
VX32XW2500L	2500 lb / 1000 kg	0.5 lb / 0.2 kg	0.5 lb / 0.2 kg	4 ft x 4 ft / 1,219 mm x 1,219 mm	80253294
VX32XW5000L	5000 lb / 2200 kg	1 lb / 0.5 kg	1 lb / 0.5 kg	4 ft x 4 ft / 1,219 mm x 1,219 mm	80253295

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Foot Kit, Set(4), VX	80252545
Foot Plate, Set(2), Painted, VX	80252548
Column Kit, Painted, Floor Scale	30047153
Column Kit, Stainless Steel, Floor Scale	30047154
Ramp, 48 in wide x 48 in long, 2.5 K/5 K, VX	80252766
Ramp, 60 in wide x 48 in long, 5 K, VX	80252767
Ramp, 48 in wide x 48 in long, 10 K, VX	80252795
Ramp, 60 in wide x 48 in long, 10 K, VX	80252796
Bolt Kit, Floor, VX	80252838
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Cable, RS232, CKW TxxXW	80500552
Software, Winwedge	80850080
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Floor Scales

VN Series

Economical Painted Steel Floor Scales for Basic Industrial Applications

- The durable VN is constructed of an epoxy painted steel frame, an ABS T31P indicator, NEMA 4X/IP65 sealed stainless steel junction box and IP67 sealed load cells.
- With a rechargeable lead acid battery included with each VN, you can position the floor scale freely in the workspace without having to be forced to work near an outlet.
- Painted steel ramps are available to be added to any VN platform, which provide bottom support ribs that prevent the platform from bending under heavy loads.



**Ethernet and USB
Available**

Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
VN31P5000L	5000 lb / 2500 kg	1 lb / 0.5 kg	1 lb / 0.5 kg	4 ft x 4 ft / 1,219 mm x 1,219 mm	80252563
VN31P5000X				5 ft x 5 ft / 1,524 mm x 1,524 mm	80252564

Accessories	Item No.
Column Kit, Painted, Floor Scale	30047153
Column Kit, SST, Floor Scale	30047154
Printer, Impact, SF40A, AM	30064203
Foot Plate, Set(2), Painted, VE VN	72198344
Printer, Thermal, STP-103, US	80251992
Ramp, 48 in wide x 26.4 in long, Painted, VN	80252565
Ramp, 60 in wide x 26.4 in long, Painted, VN	80252566
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

VN Series Floor Scale Platforms

Basic Level Floor Scale Bases

- Durable epoxy painted steel frame and platform
- NEMA4X/IP65 sealed stainless steel junction box
- IP67 sealed loadcells



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
VN5000L	5000 lb / 2500 kg	1 lb / 0.5 kg	1 lb / 0.5 kg	4 ft x 4 ft / 1,219 mm x 1,219 mm	80252561
VN5000X				5 ft x 5 ft / 1,524 mm x 1,524 mm	80252562

Mechanical Scales & Balances

D500M

Economical Mechanical Bench Scale for Basic Industrial Applications

- Heavy-duty mechanical epoxy-painted steel construction makes D500M highly durable for industrial applications.
- Phenolic wheels allow for mobility and a beam lock is integrated to protect the indicator when the scale is in motion.
- Counterpoise weights allow for a maximum capacity of 1,000 lbs.



Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
D500M	1000 lb	0.5 lb	0.5 lb	28.13 in x 19.25 in / 714 mm x 489 mm	80252735

Heavy Duty Solution

The Industry Standard for Precision and High Capacity Mechanical Weighing

- Oversized stainless steel platform to accommodate large samples or containers.
- A lockable Tare feature allows the operator to tare the balance once for multiple weighing procedures for containers up to 2270 g.
- Covers protect the self-aligning bearings which require little to no maintenance.



Model	Capacity	Readability	Pan Size	Item No.
1119-D0	20 kg	1 g	Ø 11 in / Ø 279 mm	80000000

Accessories	Item No.
Weight Set, Metric, 1119-D0	80780008

Mechanical Scales & Balances

Field Test

Accurate Weighing Even Under Adverse Conditions

- The Field Test scale is available to provide weighing results rain or shine. Without the restrictions of connecting the scale to an outlet, weighing can be conducted in any setting.
- The large stable pan will hold oversized samples without tipping, and the weighted base keeps the entire scale extremely steady.
- The portable Field Test scale can be easily moved from location to location around your work site with the integrated carrying handle.



Model	Capacity	Readability	Pan Size	Item No.
2400-12	36 lb	0.01 lb	Ø 11 in / Ø 279 mm	80000038
2400-11	16 kg	5 g	Ø 11 in / Ø 279 mm	80000008

Industrial Laboratory Balances

Explorer® Semi-Micro Balances

Built for Sophisticated, Professional Weighing

- Geared for high performance with up to 0.01 mg readability and capacities up to 220 g. The AutoCal™ Internal Calibration system ensures accuracy of results in applications that require high precision.
- Equipped with a color touchscreen display that enhances the user-experience. In addition, touchless sensors, automatic draftshield doors (on select models) and ionizer ensure the integrity of results.
- SmarText™ 2.0 software, intuitive icon-based navigation, 99 item library, 10 user profiles and below minimum sample weight indication – all combine to provide an easy yet efficient weighing experience.



Model	Auto Door	Capacity	Readability	Pan Size	Item No.
EX125D		51 g; 120 g	0.01 mg; 0.1 mg	Ø 3.14 in / Ø 80 mm	30139510
EX125		120 g	0.01 mg		30139511
EX225D		120 g; 220 g	0.01 mg; 0.1 mg		30139512
EX225D/AD	•				30139513
EX225/AD	•	220 g	0.01 mg		30139514

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Static Ionizer, ION-100A, AM	30130302
USB Extension Cable, EX	30217067
Pipette Adjustment Kit, EX Semi-Micro	30252145
Dust Cover, Balance with Draft Shield	30093334
Auxiliary Display, PAD7, PA AX EX	80251396
Paper Roll, (1), CBM910	80251932
Ink Ribbon, CBM910	80251933
Cable, RS232,CBM910-AV DV EX MB PA TxxP	80252571
Density Kit, Solids	80253384
Cable, 25 Pin-9 Pin, PC-TxxP	80500524
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Anti-Theft Device, MB AX EX	80850043
RS232 Kit, 2nd, EX EX-HiCap	83021081
Ethernet Kit, EX EX-HiCap	83021082
Cable, RS422, Extension, EX EX-HiCap	83021083
Cable, USB, Type A-B	83021085

Industrial Laboratory Balances

Explorer® Analytical

Intelligent Performance No Matter How Difficult the Task

- A large color touchscreen gives access to the advanced application modes and icon-driven application software features such as user manager, library, and minimum weight indication.
- Explorer features fast stabilization times, optimized linearity and repeatability specifications, enhanced vibration filtering as well as AutoCal™ calibration to ensure accuracy.
- The draftshield provides easy entry to the weighing chamber through the flip or sliding top door and the top-mounted side doors which can be automatically controlled on /AD models.



Model	Auto Door	Capacity	Readability	Certified Readability	Pan Size	Item No.
EX124		120 g	0.1 mg	—	Ø 3.5 in / Ø 90 mm	83021331
EX124/AD	•					30061976
EX224		220 g				83021332
EX224/AD	•					30061977
EX324		320 g				83021335
EX324/AD	•					30061978

Approved Model	Auto Door	Capacity	Readability	Certified Readability	Pan Size	Item No.
EX124N/AD	•	120 g	0.1 mg	1 mg	Ø 3.5 in / Ø 90 mm	30061997
EX224N		220 g				83021334
EX224N/AD	•					30061998
EX324N		320 g				83021337
EX324N/AD	•					30061999

Accessories		Item No.
Cable, RS9 M/F, 1.5 m		12122603
Printer, Impact, SF40A, AM		30064203
Cable, RS422, 9 m, EX EX-HiCap		30078078
Dust Cover, Balance with Draft Shield		30093334
Auxiliary Display, PAD7, PA AX EX		80251396
Printer, Thermal, STP-103, US		80251992
Cable, RS232, CBM910-AV DV EX MB PA TxxP		80252571
Cable, ST103-AV DV EX MB PA TxxP		80252581
Density Kit, Solids		80253384
Cable, 25 Pin-9 Pin, PC-TxxP		80500524
Cable, RS232, IBM 9P, AV DV MB Ranger		80500525
Adapter, 25 Pin-9 Pin, SF42 SRP275		80500572
Anti-Theft Device, SP PA AV NV		80850000
Anti-Theft Device, MB AX EX		80850043
Software, Winwedge		80850080
RS232 Kit, 2nd, EX EX-HiCap		83021081
Ethernet Kit, EX EX-HiCap		83021082
Cable, RS422, Extension, EX EX-HiCap		83021083
Cable, USB, Type A-B		83021085
Foot Switch Kit, EX EX-HiCap		83021086
In-Use-Cover, Terminal, EX		83033633
Column Kit, EX		83021102

Industrial Laboratory Balances

Explorer® Precision

Intelligent Performance No Matter How Difficult the Task

- A large color touchscreen gives access to the advanced application modes and icon-driven application software features such as user manager, library, and minimum weight indication.
- Explorer features fast stabilization times, optimized linearity and repeatability specifications, enhanced vibration filtering and the choice of traditional calibration or AutoCal™ models.
- Explorer's sturdy modular design includes metal housing and a display that can be separated from the weighing base and tower- or wall-mounted for easy viewing in any workspace.



Model	Auto-Cal™	Draft Shield	Capacity	Readability	Certified Readability	Pan Size	Item No.	
EX223/E		•	220 g	1 mg	—	Ø 5.1 in / Ø 130 mm	30061979	
EX223	•						83021341	
EX423/E			420 g				30061980	
EX423	•						83021342	
EX623	•		620 g				83021348	
EX1103	•		1100 g				83021350	
EX2202/E		•	2200 g	0.01 g		7.5 in x 8 in / 190 mm x 200 mm	30061981	
EX2202	•						83021356	
EX4202/E			4200 g				30061982	
EX4202	•						83021357	
EX6202/E			6200 g				30061983	
EX6202	•						83021360	
EX6201/E			0.1 g				30061984	
EX6201	•							83021361
EX10202	•		10200 g	0.01 g			83021362	
EX10201	•			0.1 g			83021365	

Industrial Laboratory Balances

Explorer® Precision

Intelligent Performance No Matter How Difficult the Task

Approved Model	Auto-Cal™	Draft Shield	Capacity	Readability	Certified Readability	Pan Size	Item No.
EX423N	•	•	420 g	1 mg	0.01 g	Ø 5.1 in / Ø 130 mm	83021344
EX1103N	•		1100 g				83021352
EX4202N	•		4200 g	0.01 g	0.1 g	7.5 in x 8 in / 190 mm x 200 mm	83021359
EX10202N	•		10200 g				
EX10201N	•			0.1 g			83021367

Accessories	Item No.
Cable, RS9 M/F, 1.5 m	12122603
Printer, Impact, SF40A, AM	30064203
Cable, RS422, 9 m, EX EX-HiCap	30078078
USB Extension Cable, EX	30217067
Auxiliary Display, PAD7, PA AX EX	80251396
Printer, Thermal, STP-103, US	80251992
Cable, RS232, CBM910-AV DV EX MB PA TxxP	80252571
Cable, ST103-AV DV EX MB PA TxxP	80252581
Density Kit, Solids	80253384
Cable, 25 Pin-9 Pin, PC-TxxP	80500524
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Adapter, 25 Pin-9 Pin, SF42 SRP275	80500572
Anti-Theft Device, SP PA AV NV	80850000
Anti-Theft Device, MB AX EX	80850043
Software, Winwedge	80850080
RS232 Kit, 2nd, EX EX-HiCap	83021081
Ethernet Kit, EX EX-HiCap	83021082
Cable, RS422, Extension, EX EX-HiCap	83021083
Draft Shield Kit, EX	83021084
Cable, USB, Type A-B	83021085
Foot Switch Kit, EX EX-HiCap	83021086
Column Kit, EX	83021102
In-Use-Cover, Terminal, EX	83033633

Industrial Laboratory Balances

Explorer® Precision High Capacity

Intelligent Performance No Matter How Difficult the Task

- A large color touchscreen gives access to the advanced application modes and icon-driven application software features such as user manager, library, and minimum weight indication.
- 2-D shock protection and IP54 base enclosure protect the balance from damage, while the AutoCal™ automatic internal calibration system ensures performance.
- Explorer's sturdy modular design features a color touch display that can be separated from the weighing base as well as two programmable touch-free sensors and a large weighing pan.



Model	Capacity	Readability	Pan Size	Item No.
EX12001	12000 g	0.1 g	14.8 in x 12.2 in 377 mm x 311 mm	30057099
EX24001	24000 g			30057100
EX35001	35000 g			30057101

Accessories	Item No.
Rechargeable Battery, EX-HiCap R71	30041295
Wheel Kit, Set(4), EX-HiCap	30041470
Printer, Impact, SF40A, AM	30064203
Cable, RS422, 9 m, EX EX-HiCap	30078078
Column Kit, EX-HiCap	30078082
Auxiliary Display, PAD7, PA AX EX	80251396
Printer, Thermal, STP-103, US	80251992
Cable, ST103-AV DV EX MB PA TxxP	80252581
Cable, 25 Pin-9 Pin, PC-TxxP	80500524
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Anti-Theft Device, SP PA AV NV	80850000
Anti-Theft Device, MB AX EX	80850043
Software, Winwedge	80850080
RS232 Kit, 2nd, EX EX-HiCap	83021081
Ethernet Kit, EX EX-HiCap	83021082
Cable, RS422, Extension, EX EX-HiCap	83021083
Cable, USB, Type A-B	83021085
Foot Switch Kit, EX EX-HiCap	83021086
In-Use-Cover, Terminal, EX	83033633

Industrial Laboratory Measurement

Starter 3100M Bench

The Versatile Multi-Parameter Bench Meter

- Auto temperature compensation, auto buffer recognition, six pH buffer groups, five conductivity standards and automatic/manual endpoints ensure accurate and stable measurement.
- An adjustable electrode holder, a large backlit LCD for optimal viewing of results, and a Quick Guide with set-up and navigation info combine to make ST3100M a truly user-friendly experience.
- Documenting data is made efficient with a 99-item memory for pH and conductivity measurements. RS232 interface allows you to connect to an external device such as a printer to store or transfer data.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST3100M-B	—	-2 - 20 pH; 0.0 μ S/cm - 19.99 mS/cm	0.01 pH; 0.01 μ S/cm	30276082
ST3100M-F	ST310, STCON3			30276083
ST3100M-N	ST230, STTEMP30, STCON3			30332140

Accessories	Item No.
ORP electrode STORP2	30038553
ORP electrode STORP1	30038555
Holder, Stand Alone, Electrode	30058733
Printer, Impact, SF40A, AM	30064203
Buffer pH1.68 250 ml	30100424
RS232 Kit, STX SPX ST3100M	30268982
USB Kit, Device, STX SPX ST3100M	30268984
Buffer pH4.01 250 ml	30100425
Buffer pH6.86 250 ml	30100426
Buffer pH7.00 250 ml	30100427
Buffer pH9.18 250 ml	30100428
Buffer pH10.01 250 ml	30100429
Buffer pH12.45 250 ml	30100440
pH Electrode ST310	83033965
pH Electrode ST210	83033966
pH Electrode ST320	83033967
pH Electrode ST230	83033968
pH Electrode STPURE	83033969
Temperature Electrode STTEMP30	83033970
Buffer Powder pH4.01;7.00;10.01	83033971
Standard Conduct 10 μ S/cm 250 ml	30100441
Standard Conduct 84 μ S/cm 250 ml	30100442
Standard Conduct 1413 μ S/cm 250 ml	30100443
Standard Conduct 12.88mS/cm 250 ml	30100444
STCON7	30080693

See page 46 for additional Starter Series Electrodes

Industrial Laboratory Measurement

Starter 2100 pH Bench

Economical pH Bench Meter for Basic Laboratory Applications

- With the attached quick guide, five clearly marked keys and user friendly software, novices can operate the meter with minimal training.
- The built-in electrode holder provides uncomplicated and convenient all-in-one operation while the large LCD display screen clearly displays results.
- Auto buffer recognition, electrode condition icon, automatic temperature compensation and reference input all work to ensure accurate results.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST2100-B	—	-2.00 to 16.00 pH	0.01 pH	30057494
ST2100-E	ST210 (Included)			30057495
ST2100-F	ST210 (Included); STTEMP30 (Included)			30057496

Accessories	Item No.
Holder, Stand Alone, Electrode	30058733
Buffer pH1.68 250 ml	30100424
Buffer pH4.01 250 ml	30100425
Buffer pH6.86 250 ml	30100426
Buffer pH7.00 250 ml	30100427
Buffer pH9.18 250 ml	30100428
Buffer pH10.01 250 ml	30100429
Buffer pH12.45 250 ml	30100440
Buffer Powder pH4.01;7.00;10.01	83033971

See page 46 for additional Starter Series Electrodes

Industrial Laboratory Measurement

Starter 300 pH Portable

Convenient Portable pH Meter for Wherever Your Work Takes You

- Automatic and manual temperature compensation ensures accurate readings while a 30 measurement library stores data for future reference.
- The auto buffer recognition stores calibration data and helps to avoid errors during the calibration process.
- With a meter stand, wrist strap for secure field use and IP54 housing, Starter 300 is durable and prepared for versatile use.



ST300-G

Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST300-G	ST320 (Included)	0.00 to 14.00 pH	0.01 pH	30219114
ST300				83033961
ST300-B	—			83033962

Accessories	Item No.
Buffer pH1.68 250 ml	30100424
Buffer pH4.01 250 ml	30100425
Buffer pH6.86 250 ml	30100426
Buffer pH7.00 250 ml	30100427
Buffer pH9.18 250 ml	30100428
Buffer pH10.01 250 ml	30100429
Buffer pH12.45 250 ml	30100440
Seal kit, STARTER portables	83032962
Buffer Powder pH4.01;7.00;10.01	83033971

See page 46 for additional Starter Series Electrodes

Industrial Laboratory Measurement

Starter 300C Conductivity Portable

Convenient Portable Conductivity Meter for Wherever Your Work Takes You

- Starter 300C has a built-in temperature sensor and a 4-pole linear electrode that safeguards itself from polarization and pollution effects.
- With a simple calibration process and quick delivery of measurement results , Starter 300C is efficient and easy-to-use.
- The 30 item library allows the user to easily recall calibration data and stored information with one quick touch.



ST300C-G

Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST300C-B	—	00.0 μS/cm to 199.9 mS/cm	0.01 μS/cm	30092000
ST300C-G	STCON3 (Included)			30219115
ST300C				83033964

Accessories	Item No.
Portable Bag STARTER	30031635
Standard Conduct 10 μ S/cm 250 ml	30100441
Standard Conduct 84 μ S/cm 250 ml	30100442
Standard Conduct 1413 μ S/cm 250 ml	30100443
Standard Conduct 12.88mS/cm 250 ml	30100444
Seal kit, STARTER portables	83032962
STCON7	30080693

See page 46 for additional Starter Series Electrodes

Industrial Laboratory Measurement

Starter Pen Meters

Accurate Electrochemistry Measurement At Your Fingertips

- Starter pen meters provide what should be expected of a small, economical pen meter: simple, fast, straightforward, no-frills operation time and time again.
- With durable ABS housing, a protective sensor cap, and automatic shutdown feature that preserves battery life, Starter pen meters can endure consistent use in rugged environments.
- Equipped with a wrist strap that prevents unintentional dropping, Starter pen meters are constructed with an IP67 waterproof design that can prevent water damage when dropped in to liquid.



ST20D

Model	Meter Type	Measurement Range	Measurement Resolution	Temperature Display	Item No.	Price USD
ST10	pH	0.00 – 14 pH	0.1 pH	Not Available	30073970	54
ST20		0.00 – 14 pH	0.01 pH	Yes	30073971	96
ST10C-A	Conductivity	0.00 – 199.9 $\mu\text{S}/\text{cm}$	0.1 $\mu\text{S}/\text{cm}$	Not Available	30073972	72
ST10C-B		0 – 1999 $\mu\text{S}/\text{cm}$	1 $\mu\text{S}/\text{cm}$		30073973	72
ST10C-C		0.00 – 19.99 mS/cm	10 $\mu\text{S}/\text{cm}$		30073974	72
ST20C-A		0.00 – 199.9 $\mu\text{S}/\text{cm}$	0.1 $\mu\text{S}/\text{cm}$	Yes	30073975	102
ST20C-B		0 – 1999 $\mu\text{S}/\text{cm}$	1 $\mu\text{S}/\text{cm}$		30073976	102
ST20C-C		0.00 – 19.99 mS/cm	10 $\mu\text{S}/\text{cm}$		30073977	102
ST10T-A	TDS	0.0 – 100.0 mg/L	0.1 mg/L	Not Available	30073978	81
ST10T-B		0.0 – 1000 mg/L	1 mg/L		30073979	81
ST20T-A		0.0 – 100.0 mg/L	0.1 mg/L	Yes	30073980	102
ST20T-B		0.0 – 1000 mg/L	1 mg/L		30073981	102
ST10S	Salinity	0.0 – 10.0 ppt	0.1 ppt	Not Available	30073982	70
ST20S		0.0 – 80.0 ppt		Yes	30073983	102
ST10R	ORP	-1000 – 1000 mV	1 mV	Not Available	30073984	118
ST20R		-1000 – 1000 mV		Yes	30073985	154
ST20D	Dissolved Oxygen	0.0 – 80.0 ppt	0.1 mg/L	Yes	30073986	368

Industrial Laboratory Measurement

Starter Pen Meters

Accurate Electrochemistry Measurement At Your Fingertips

Accessories	Item No.	Price USD
Replacement Pen Electrode for ST10	30087992	32
Replacement Pen Electrode for ST10C-A; ST10T-A	30087994	45
Replacement Pen Electrode for ST10C-B; ST10T-B	30087995	45
Replacement Pen Electrode for ST10C-C; ST10S	30087996	45
Replacement Pen Electrode for ST10R	30088020	69
Replacment Pen Electrode for ST20	30087993	57
Replacement Pen Electrode for ST20C-A; ST20T-A	30087997	45
Replacement Pen Electrode for ST20C-B; ST20T-B	30087998	45
Replacement Pen Electrode for ST20C-C; ST20S	30087999	45
Replacement Pen Electrode for ST20D	30222083	195
Replacement Pen Electrode for ST20R	30088021	91
Buffer pH4.01 250 ml	30100425	13
Buffer pH7.00 250 ml	30100427	13
Buffer pH10.01	30100429	13
Standard Conduct 84µs/cm 250 ml	30100442	17
Standard Conduct 1413µs/cm 250 ml	30100443	17
Standard Conduct 12.88mS/cm 250 ml	30100444	17
Membrane Kit Replaceable, ST20D	30222084	85

Industrial Laboratory Measurement

Starter Electrodes

OHAUS Precision Powers the Starter Electrodes

- Electrodes are constructed of glass or plastic and are built to withstand daily use.
- Select electrodes include a temperature sensor, which powers automatic temperature compensation and ensures accurate measurements.
- All electrodes fit perfectly in the electrode holders on OHAUS bench meters and electrode clips on all OHAUS portable meters.



Model	Electrode Type	Shaft Material	Measurement Range	Temp	Item No.
ST230	pH	Glass	0.00 – 14 pH		83033968
ST260			0.00 – 14 pH		30129357
ST270			0.00 – 14 pH		30240974
ST350			0.00 – 14 pH	•	30129354
STMICRO5			0.00 – 14 pH		30087566
STMICRO8			0.00 – 14 pH		30087569
STPURE			0.00 – 14 pH		83033969
ST210			Plastic	0.00 – 14 pH	
ST310		0.00 – 14 pH		•	83033965
ST320		0.00 – 14 pH		•	83033967
STSURF		2.00 - 12.00 pH			30129470
STCON3		Plastic		3 μS/cm – 200 mS/cm	•
STCON7	0.02 μS/cm -200 μS/cm		•	30080693	
STDO11	DO		1 – 200%	30031639	
STDO21	DO		1 - 200%	30219117	
STREF1	Reference	Glass	-		30059253
STREF2			-		30059254
STORP1	ORP	Plastic	-1000 – 1000 mV		30038555
STORP2		Glass	-1000 – 1000 mV		30038553
STTEMP30	Temperature	Stainless Steel	1 – 100 °C	•	83033970

Moisture Analyzers

MB120

Moisture Analysis Made Simple and Powerful

- MB120's Temperature Guide analyzes a sample and determines the optimal drying temperature. Store up to 100 drying methods for easy recall and up to 1000 total results for statistical analysis.
- Precisely controlled halogen heating dries samples uniformly, producing repeatable results of 0.01% readability. Four drying profiles and predefined and user definable shut-off criteria help to perform customized sample tests.
- The MB120 features a removable pan handler and sample chamber for easy cleaning. Operating the MB120 is intuitive – simply follow the guided instructions on the touchscreen display.



New with
Touchscreen

Model	Capacity	Readability	Moisture Readability	Pan Size	Item No.
MB120	120 g	1 mg	0.01 %	90 mm	30241165

Accessories	Item No.
Pan Holder, MB90 MB120	30246947
In-Use-Cover, Accessory, MB90 MB120	30284478
Scoop, Accessory, MB90 MB120	30284477
Temperature Calibration Kit	11113857
Anti-Theft Device	80850043
Pan, Aluminum, Set(80), MB Series	80850086
Filter, Glass Fiber, Set(200)	80850087
Cage, Sample, MB Series	80252477
Pan, Reusable, Set(3), 7 mm, MB Series	80252478
Pan, Reusable, Set(3), 14 mm, MB Series	80252479
Printer, Impact, SF40A	30064203
Cable, ST103-AV DV EX MB PA TxxP	80252581
Printer, Thermal, STP-103, US	80251992
Software, Winwedge	80850080

Moisture Analyzers

MB90

Combining Speed and Precision in One Moisture Analyzer —Test More Samples in Less Time

- The MB90's precisely controlled halogen heating dries samples quickly, and ensures uniform heating to yield fast, precise and repeatable results of 0.01% readability.
- Designed with effortless maintenance in mind, the MB90 features a removable pan handler and heating chamber components that make cleaning quick and easy - no tools needed.
- Icon-based menu navigation on the easy-to-read touchscreen display makes operating the MB90 intuitive. Perform routine sample testing in three easy steps - no training required.



New with
Touchscreen

Model	Capacity	Readability	Moisture Readability	Pan Size	Item No.
MB90	90 g	1 mg	0.01 %	90 mm	30241164

Accessories	Item No.
Pan Holder, MB90 MB120	30246947
In-Use-Cover, Accessory, MB90 MB120	30284478
Scoop, Accessory, MB90 MB120	30284477
Temperature Calibration Kit	11113857
Anti-Theft Device	80850043
Pan, Aluminum, Set(80), MB Series	80850086
Filter, Glass Fiber, Set(200)	80850087
Cage, Sample, MB Series	80252477
Pan, Reusable, Set(3), 7 mm, MB Series	80252478
Pan, Reusable, Set(3), 14 mm, MB Series	80252479
Printer, Impact, SF40A	30064203
Cable, ST103-AV DV EX MB PA TxxP	80252581
Printer, Thermal, STP-103, US	80251992
Software, Winwedge	80850080

Moisture Analyzers

MB27

The Affordable High Capacity Moisture Analyzer

- The MB27 provides accurate results at 0.01% 0.001 g. With a large capacity of 90 g, it is ideal for food, agriculture, chemical, pharmaceutical and other applications that require measurements up to 0.01% 0.001 g.
- Set up and operation is extremely easy. Just press and hold the temperature or time buttons to set drying parameters. The MB27 is ideal for routine tasks performed by operators of all skill levels.
- The compact footprint (17x14x28 cm) of the OHAUS MB27 is designed to take up less space. The easy-to-clean heating chamber is ideal for frequent use and inexpensive maintenance.



Model	Capacity	Readability	Moisture Readability	Pan Size	Item No.
MB27	90 g	1 mg	0.01 %	90 mm	30251683

Accessories	Item No.
Temp. Calibration Kit, MB Series	11113857
Holder, Pan, MB23 MB27	11113873
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
In-Use-Cover, MB23 MB27	80252475
Pan Holder MB23 MB27	80252476
Cage, Sample, MB Series	80252477
Pan, Reusable, Set(3), 7 mm, MB Series	80252478
Pan, Reusable, Set(3), 14 mm, MB Series	80252479
Cable, ST103-AV DV EX MB PA TxxP	80252581
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Cable, SF42-AV DV MB Ranger	80500571
Anti-Theft Device, MB AX EX	80850043
Software, Winwedge	80850080
Pan, Aluminum, Set(80), MB Series	80850086
Filter, Glass Fiber, Set(200)	80850087

Moisture Analyzers

MB23

Redefining Value in Moisture Analysis

- The MB23 utilizes a metallic sheathed, no glass infrared heating element for drying of samples.
- With a bright backlit LCD and easy one-button setup and menu navigation, MB23 is extremely user-friendly.
- MB23 is very easy-to-clean to ensure the integrity of your samples, and its compact design allows it to fit seamlessly into most workspaces.



Model	Capacity	Readability	Moisture Readability	Pan Size	Item No.
MB23	110 g	0.01 g	0.1 %	Ø 3.5 in / Ø 90 mm	83999801

Accessories	Item No.
Temp. Calibration Kit, MB Series	11113857
Holder, Pan, MB23 MB27	11113873
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
In-Use-Cover, MB23 MB27	80252475
Pan Holder MB23 MB27	80252476
Cage, Sample, MB Series	80252477
Pan, Reusable, Set(3), 7 mm, MB Series	80252478
Pan, Reusable, Set(3), 14 mm, MB Series	80252479
Cable, ST103-AV DV EX MB PA TxxP	80252581
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Cable, SF42-AV DV MB Ranger	80500571
Anti-Theft Device, MB AX EX	80850043
Software, Winwedge	80850080
Pan, Aluminum, Set(80), MB Series	80850086
Filter, Glass Fiber, Set(200)	80850087

Indicators

T72XW

Advanced Performance Stainless Steel Indicator with External Device Control Capabilities

- With a 50,000 displayed resolution and the ability to support up to 10 load cells, T72XW was designed for heavy-duty industrial applications.
- Two available option slots enable a wide range of connectivity interfaces. Control external devices using the discrete I/O interface and transfer data through the serial, USB or Ethernet ports.
- T72XW is very easy to set up and navigate, a vivid graphic display with on-screen prompts and an alphanumeric keypad with designated keys for common functions such as Tare and ID information.



Now with
Truck In/Out Mode

Model	Protection Rating	Item No.
T72XW	IP66; NEMA 4X	30126959

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Ethernet Kit, T72XW	30132163
USB with I/O Kit, T72XW	30132164
COM2 Kit, T72XW	30132165
Column Adapter, SST, T32XW T51XW T71XW	72209340
Cable, RS232, CKW TxxXW	80500552
Cable ST103 - TxxXW	80252584
Software, Winwedge	80850080

T71XW

High Performance Stainless Steel Washdown Indicator for Advanced Applications



- T71XW can support advanced features such as accumulation mode, a 255-item library and optional alibi memory capability, and also has a 1:50,000 maximum displayed resolution.
- This advanced indicator has dual-scale capabilities in which it can display the weights from two platforms and is powerful enough to drive up to 8 - 350 ohm load cells per platform.
- With a full alphanumeric keypad and dual-line display, as well as SmarText™ software that utilizes text prompts to guide users through set up and use, T71XW is simple to operate.

Model	Protection Rating	Item No.
T71XW	IP66; NEMA 4X	83999839

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
PCBA Kit, Alibi Memory, R71 T71	80500503
Cable, RS232, CKW TxxXW	80500552
Relay Kit, AC, T51 T71	80500720
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Wall Mount Kit, SST, T51XW T71XW	80500735
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Cable ST103 - TxxXW	80252584

Indicators

CKW55

Advanced Indicators Designed for Checkweighing Applications

- The CKW features multiple checkweighing options including Positive, Negative, Zero or Net and statistical capabilities to provide accurate results for advanced checkweighing needs.
- With multiple connectivity capabilities both built-in and available as accessories, such as RS232, RS422/485 and AC/DC relays, CKW55 provides multiple ways to record and log data.
- CKW55 is NSF Certified, USDA-AMS accepted, and supports HACCP-certified systems, and is safe for use in food processing applications.



Model	Protection Rating	Item No.
CKW55	IP66; NEMA 4X	80251030

Accessories	Item No.
Wall Mount Kit, SST, CKW	71167964
Rechargeable Battery Kit, CKW	71167966
Relay Kit, AC, CKW	71167967
Relay Kit, DC, CKW	71173377
Cable, RS232, CKW TxxXW	80500552
Software, Winwedge	80850080
Cable ST103 - CKW55	80252584
Printer, Impact, SF40A, AM	30064203

Indicators

T71P

High Performance Indicator for Advanced Applications

- T71P can support advanced features such as accumulation mode, a 255-item library and optional alibi memory capability, and also has a 1:50,000 maximum displayed resolution.
- This advanced indicator has dual-scale capabilities in which it can display the weights from two platforms and is powerful enough to drive up to 8 - 350 ohm load cells per platform.
- With a full alphanumeric keypad and dual-line display, as well as SmarText™ software that utilizes text prompts to guide users through set up and use, T71P is simple to operate.



Ethernet and USB
Available

Model	Item No.
T71P	83998180

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Wall Mount Kit, Painted, T51P T71P	72200227
Printer, Thermal, STP-103, US	80251992
PCBA Kit, Alibi Memory, R71 T71	80500503
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Relay Kit, AC, T51 T71	80500720
Base Mount Kit, Painted, T51P T71P	80500722
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Software, Winwedge	80850080
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Indicators

T51XW

Multifunctional Stainless Steel Washdown Indicator for Standard Industrial Applications



- T51XW features software for parts counting, dynamic weighing, percent weighing, checkweighing, display hold for large containers and can meet traceability requirements.
- Multiple connectivity capabilities include built-in RS232 bi-directional interface and external input as well as optional RS422/485, second RS232 and AC or DC relay.
- The durably-built T51XW NEMA 4X/IP66 stainless steel water resistant indicator has a hinged front cover that opens easily for servicing and installation of the connectivity options.

Model	Protection Rating	Item No.
T51XW	IP66; NEMA 4X	83999840

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, CKW TxxXW	80500552
Relay Kit, AC, T51 T71	80500720
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Wall Mount Kit, SST, T51XW T71XW	80500735
Cable Kit, Loadcell Adapter, T51 T71	80500736
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Cable ST103 - TxxXW	80252584

Indicators

T51P

Multifunctional ABS Plastic Indicator for Standard Industrial Applications

- T51P features software for parts counting, dynamic weighing, percent weighing, checkweighing, display hold for large containers and can meet traceability requirements.
- Multiple connectivity capabilities include built-in RS232 bi-directional interface and external input as well as optional RS422/485, second RS232 and AC or DC relay.
- The durably-built ABS plastic housing T51P has a reversible rear cover that supplies multiple mounting options, including, wall, column, scale front, or table-top mounting.



**Ethernet and USB
Available**

Model	Item No.
T51P	83998179

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Cable, SF42-AV DV MB Ranger	80500571
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102
Relay Kit, AC, T51 T71	80500720
Base Mount Kit, Painted, T51P T71P	80500722
Relay Kit, DC, T51 T71	80500727
Rechargeable Battery Kit, T51 T71	80500729
RS422/485 Kit, T51 T71	80500731
RS232 Kit, T51 T71	80500733
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154

Indicators

T32XW

Economical Stainless Steel Washdown Indicator for Basic Industrial Applications

- The NEMA 4X/IP65 stainless steel construction protects the indicator from water damage and a hinged front cover opens up easily, offering instant access for servicing.
- The long-lasting internal rechargeable battery provides continuous operation for up to 58 hours, ensuring uninterrupted operation for more than two straight days.
- Simple operation enhanced by an easy-to-read display and even basic counting mode round out this industrial indicator, making it ideal for everyday basic industrial use.



Model	Protection Rating	Item No.
T32XW	IP65; NEMA 4X	83999823

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, CKW TxxXW	80500552
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Cable ST103 - TxxXW	80252584

Indicators

T32M

Economical Metal Indicator for Basic Industrial Applications

- T32MC and T32ME are OIML approved, NTEP certified, and Measurement Canada approved for use in all legal-for-trade applications.
- Application modes include weighing, simple parts counting, basic checkweighing, display hold and accumulation of results.
- Constructed of painted steel housing and high-impact ABS faceplate, T32MC and T32ME are highly durable.



Ethernet and USB
Available

Model	Item No.
T32ME	83998166
T32MC	83998167

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Indicators

T31P

Economical ABS Plastic Indicator for Basic Industrial Applications

- T31P is OIML approved, NTEP certified and Measurement Canada approved for use in all legal-for-trade applications.
- The ultra-long-lasting internal rechargeable battery provides operation on a single charge for up to 120 hours.
- The reversible rear cover offers the flexibility for connected cables to exit above or below the indicator housing.



Ethernet and USB
Available

Model	Item No.
T31P	83998110

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080
Column Kit, Painted, Floor Stand	30047153
Column Kit, Stainless Steel, Floor Stand	30047154
Interface Kit, RS232-USB	30304101
Interface Kit, RS232-Ethernet	30304102

Bench Scale Bases

CKW Bases

High Quality Washdown Checkweighing Base



- The CKW base is NSF Certified, USDA-AMS Accepted, supports HACCP-certified systems, and is safe for use in food processing applications.
- Constructed with IP67 stainless steel, the CKW base is protected from harsh elements and can be thoroughly washed down to ensure cleanliness.
- The external level indicator and adjustable non-slip leveling feet assure that the base is stable and producing accurate results.

Model	Cap.	Read.	Certified Readability	Platform Size	Item No.
CKW3R	6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	10 in x 10 in / 254 mm x 254 mm	30379430
CKW6R	15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	10 in x 10 in / 254 mm x 254 mm	30379431
CKW15L	30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	12 in x 12 in / 305 mm x 305 mm	30379432
CKW30L	60 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	12 in x 12 in / 305 mm x 305 mm	30379433

Defender® W Series Stainless Steel Bases

Top Quality Base for Washdown Industrial Weighing



- The stainless steel form-and-weld frame and stainless steel platform provide ample support for industrial weighing applications.
- Marked by durability, rigidity and structural integrity, Defender W Series bases are constructed to perform highly in industrial environments.
- Defender W Series bases have resolutions of up to 15,000d to meet the needs of industrial weighing applications that require extreme accuracy.

Model	Cap.	Read.	Certified Readability	Platform Size	Item No.
D10WR	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80251925
D25WR	50 lb / 25 kg	0.005 lb / 2 g	0.01 lb / 5 g	12 in x 12 in / 305 mm x 305 mm	80251926
D50WL	100 lb / 50 kg	0.01 lb / 5 g	0.02 lb / 10 g	18 in x 18 in / 457 mm x 457 mm	80251927
D100WL	250 lb / 100 kg	0.02 lb / 10 g	0.05 lb / 20 g	18 in x 18 in / 457 mm x 457 mm	80251928
D250WX	500 lb / 250 kg	0.05 lb / 20 g	0.1 lb / 50 g	24 in x 24 in / 610 mm x 610 mm	80251929

Bench Scale Bases

Defender® V Series Stainless Steel Bases

Economical Base for Washdown Industrial Weighing

- The sturdy tubular 304 stainless steel platform provides ample support for industrial weighing applications.
- The IP67 load cells ensure accurate and repeatable results.
- The non-slip adjustable rubber leveling feet provide stability during the weighing process.



30 lb Model Now
Available

Model	Cap.	Read.	Certified Readability	Platform Size	Item No.
D15VR	30 lb / 15 kg	0.005 lb / 0.002 kg	0.01 lb / 0.005 kg	14 in x 12 in / 355 mm x 305 mm	30379441
D30VR	60 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	30379442
D60VR	150 lb / 60 kg	0.02 lb / 10 g	0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	30379443
D60VL				21.7 in x 16.5 in / 550 mm x 420 mm	30379444
D150VL	300 lb / 150 kg	0.05 lb / 20 g	0.1 lb / 50 g	21.7 in x 16.5 in / 550 mm x 420 mm	30379445
D150VX				25.6 in x 19.7 in / 650 mm x 500 mm	30379446
D300VX	600 lb / 300 kg	0.1 lb / 50 g	0.2 lb / 100 g	25.6 in x 19.7 in / 650 mm x 500 mm	30379447

Bench Scale Bases

Defender® Q Series Bases

Top Quality Base for Industrial Weighing

- A black polyurethane painted steel form-and-weld frame with stainless steel platform provides ample support for industrial weighing applications.
- Marked by durability, rigidity and structural integrity, Defender Q Series bases are constructed to perform highly in industrial environments.
- Defender Q Series bases have resolutions of up to 15,000d to meet the needs of industrial weighing applications that require extreme accuracy.



Model	Protection Rating	Cap.	Read.	Certified Readability	Platform Size	Item No.
D10QR	IP67	25 lb / 10 kg	0.002 lb / 1 g	0.005 lb / 2 g	12 in x 12 in / 305 mm x 305 mm	80251920
D25QR		50 lb / 25 kg	0.005 lb / 2 g	0.01 lb / 5 g	12 in x 12 in / 305 mm x 305 mm	80251921
D50QL		100 lb / 50 kg	0.01 lb / 5 g	0.02 lb / 10 g	18 in x 18 in / 457 mm x 457 mm	80251922
D100QL		250 lb / 100 kg	0.02 lb / 10 g	0.05 lb / 20 g	18 in x 18 in / 457 mm x 457 mm	80251923
D250QX		500 lb / 250 kg	0.05 lb / 20 g	0.1 lb / 50 g	24 in x 24 in / 610 mm x 610 mm	80251924

Bench Scale Bases

Defender® H Series Bases

High Quality Bases For Industrial Environments



- The black polyurethane painted steel form-and-weld frame and stainless steel platform provides ample support for industrial weighing applications.
- Marked by durability, rigidity and structural integrity, Defender H Series bases are constructed to perform highly in industrial environments.
- Defender H Series bases are high resolution and can meet the needs of industrial weighing applications that require extreme accuracy.

Model	Cap.	Read.	Certified Readability	Platform Size	Item No.
D15HR	30 lb / 15 kg	0.002 lb / 1 g	0.01 lb / 5 g	14 in x 12 in / 355 mm x 305 mm	30379448
D30HR	60 lb / 30 kg	0.005 lb / 2 g	0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	30379449
D60HR	150 lb / 60 kg	0.01 lb / 5 g	0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	30379450
D60HL				16 in x 20 in / 400 mm x 500 mm	30379451
D100HL	250 lb / 100 kg	0.02 lb / 10 g	0.1 lb / 50 g	16 in x 20 in / 400 mm x 500 mm	30379452
D150HX	300 lb / 150 kg			22 in x 17 in / 550 mm x 420 mm	30379453
D300HX	600 lb / 300 kg	0.05 lb / 50 g	0.2 lb / 100 g	22 in x 17 in / 550 mm x 420 mm	30379454

Bench Scale Bases

Defender® B Series Bases

Economical Base for Industrial Weighing

- The sturdy tubular 304 stainless steel platform provides ample support for industrial weighing applications.
- The IP67 load cells ensure accurate and repeatable results.
- The non-slip adjustable rubber leveling feet provide stability during the weighing process.



30 lb Model Now
Available

Model	Cap.	Read.	Certified Readability	Platform Size	Item No.
D15BR	30 lb / 15 kg	0.005 lb / 0.002 kg	N/A	14 in x 12 in / 355 mm x 305 mm	30379434
D30BR	60 lb / 30 kg	0.01 lb / 5 g	0.02 lb / 10 g	14 in x 12 in / 355 mm x 305 mm	30379435
D60BR	150 lb / 60 kg	0.02 lb / 10 g	0.05 lb / 20 g	14 in x 12 in / 355 mm x 305 mm	30379436
D60BL				21.7 in x 16.5 in / 550 mm x 420 mm	30379437
D150BL	300 lb / 150 kg	0.05 lb / 20 g	0.1 lb / 50 g	21.7 in x 16.5 in / 550 mm x 420 mm	30379438
D150BX				25.6 in x 19.7 in / 650 mm x 500 mm	30379439
D300BX	600 lb / 300 kg	0.1 lb / 50 g	0.2 lb / 100 g	25.6 in x 19.7 in / 650 mm x 500 mm	30379440

Weights & Weight Sets Overview



Our weights and weight sets are backed by the world's leading supplier of precision weights and mass standards. Since 1838, Troemner has enhanced its reputation as being the premier precision weight company by having industry recognized metrologists and highly trained calibrators on staff. Troemner's production of precision weights involves using the finest materials and equipment available in a state-of-the-art facility. For these important reasons, Troemner is capable of providing unmatched measurements and metrological analysis to provide our customers with the precision weights they need.

Only the finest raw materials are selected in order to manufacture high quality weights. Troemner is the only supplier that has a special stainless steel blend called Troemner Alloy 8, which possesses closely controlled density (8.03 g/cm³), extremely low magnetic properties, good stability and resistance to corrosion.

Weight Selector Guide

Troemner UltraClass - For analytical and microbalances with readability as low as 1 g. These are the most precise two-piece weights available, with weight tolerances 40 to 50% better than ANSI/ASTM Class 1. Ultra Class weights combine high precision with the advantage of two-piece construction (1 g and larger) to avoid costly issues associated with one-piece weights.

ANSI/ASTM Class 1 - Can be used as a reference standard in calibrating other weights and is appropriate for calibrating high-precision analytical balances with a readability as low as 0.1 mg to 0.01 mg.

ANSI/ASTM Class 4 - For calibration of semi-analytical balances and for student use.

ANSI/ASTM Class 6 - This class meets the specifications of OIML R 111 Class M2.

OIML Class E1 - Used as a primary reference for calibrating other reference standards and weights where the stability of the environment and careful handling are assured. Class E1 weights have no method of adjustment and are not suitable for general laboratory use. The uncertainty is guaranteed to be 1/3 the tolerance.

OIML Class E2 - Can be used as a reference standard in calibrating other weights and is appropriate for calibrating high-precision analytical balances with a readability as low as 0.1 mg to 0.01 mg.

OIML Class F1 - Appropriate for calibrating high-precision top loading balances with a readability as low as 0.01 g to 0.001 g.

OIML Class F2 - For calibration of semi-analytical balances and for student use.

NIST Class F - Primarily used to test commercial weighing devices by state and local weights and measures officials, device installers, and service technicians.

ASTM Weights and Weight Sets

Troemner UltraClass Individual Weights

Weight tolerance is equal to ANSI/ASTM E617 Class 0

- UltraClass weights combine high precision with the advantage of two-piece construction (1 g and larger) avoiding costly replacement issues associated with one-piece weights.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Individual weights 1 mg through 10 kg are supplied in durable polycarbonate cases. Case lids lock tightly to ensure that your weight is held securely and kept clean and dust free.



Without Certificate	
Model	Item No.
50 kg	30390204
30 kg	30390203
25 kg	30390202
20 kg	30390201
10 kg	30390200
5 kg	30390199
3 kg	30390198
2 kg	30390197
1 kg	30390196
500 g	30390195
300 g	30390194
200 g	30390193
100 g	30390192
50 g	30390191
30 g	30390190
20 g	30390189
10 g	30390188
5 g	30390187
3 g	30390186
2 g	30390185
1 g	30390184
500 mg	30390183
300 mg	30390182
200 mg	30390181
100 mg	30390180
50 mg	30390179
30 mg	30390178
20 mg	30390177
10 mg	30390176
5 mg	30390175
3 mg	30390174
2 mg	30390173
1 mg	30390172

Traceable Certificate	
Model	Item No.
50 kg	30390236
30 kg	30390235
25 kg	30390234
20 kg	30390233
10 kg	30390232
5 kg	30390231
3 kg	30390230
2 kg	30390229
1 kg	30390228
500 g	30390227
300 g	30390226
200 g	30390225
100 g	30390224
50 g	30390223
30 g	30390222
20 g	30390221
10 g	30390220
5 g	30390219
3 g	30390218
2 g	30390217
1 g	30390216
500 mg	30390215
300 mg	30390214
200 mg	30390213
100 mg	30390212
50 mg	30390211
30 mg	30390210
20 mg	30390209
10 mg	30390208
5 mg	30390207
3 mg	30390206
2 mg	30390205
1 mg	30390204

NVLAP Certificate	
Model	Item No.
50 kg	30390269
30 kg	30390268
25 kg	30390267
20 kg	30390266
10 kg	30390265
5 kg	30390264
3 kg	30390263
2 kg	30390262
1 kg	30390261
500 g	30390260
300 g	30390259
200 g	30390258
100 g	30390257
50 g	30390256
30 g	30390255
20 g	30390254
10 g	30390253
5 g	30390252
3 g	30390251
2 g	30390250
1 g	30390249
500 mg	30390248
300 mg	30390247
200 mg	30390246
100 mg	30390245
50 mg	30390244
30 mg	30390243
20 mg	30390242
10 mg	30390241
5 mg	30390240
3 mg	30390239
2 mg	30390238
1 mg	30390237

ASTM Weights and Weight Sets

ASTM Class 1 Individual Weights

Adjusted to meet ASTM Class 1 Tolerances

- Can be used as a reference standard in calibrating other weights and is appropriate for calibrating high-precision analytical balances with a readability as low as 0.1 mg to 0.01 mg.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Individual weights 1 mg through 10 kg are supplied in durable polycarbonate cases. Case lids lock tightly to ensure that your weight is held securely and kept clean and dust free.



Without Certificate	
Model	Item No.
50 kg	30391425
30 kg	30391424
25 kg	30391423
20 kg	30391422
10 kg	30391421
5 kg	30391420
3 kg	30391419
2 kg	30391418
1 kg	30391417
500 g	30391416
300 g	30391415
200 g	80781143
100 g	80781141
50 g	80781139
30 g	30391411
20 g	80781135
10 g	80781133
5 g	80781131
3 g	30391407
2 g	80781127
1 g	80781125
500 mg	80781123
300 mg	30391403
200 mg	80781119
100 mg	80781117
50 mg	80781115
30 mg	30391399
20 mg	80781111
10 mg	80781109
5 mg	80781107
3 mg	30391395
2 mg	80781103
1 mg	80781101

Traceable Certificate	
Model	Item No.
50 kg	30391607
30 kg	30391606
25 kg	30391605
20 kg	30391604
10 kg	30391603
5 kg	30391602
3 kg	30391601
2 kg	30391600
1 kg	30391599
500 g	30391598
300 g	30391597
200 g	30391596
100 g	30391595
50 g	30391594
30 g	30391593
20 g	30391592
10 g	30391591
5 g	30391590
3 g	30391589
2 g	30391588
1 g	30391587
500 mg	30391586
300 mg	30391585
200 mg	30391584
100 mg	30391583
50 mg	30391582
30 mg	30391581
20 mg	30391580
10 mg	30391579
5 mg	30391578
3 mg	30391577
2 mg	30391576
1 mg	30391575

NVLAP Certificate	
Model	Item No.
50 kg	30391458
30 kg	30391457
25 kg	30391456
20 kg	30391455
10 kg	30391454
5 kg	30391453
3 kg	30391452
2 kg	30391451
1 kg	30391450
500 g	30391449
300 g	30391448
200 g	80781144
100 g	80781142
50 g	80781140
30 g	30391444
20 g	80781136
10 g	80781134
5 g	80781132
3 g	30391440
2 g	80781128
1 g	80781126
500 mg	80781124
300 mg	30391436
200 mg	80781120
100 mg	80781118
50 mg	80781116
30 mg	30391432
20 mg	80781112
10 mg	80781110
5 mg	80781108
3 mg	30391428
2 mg	80781104
1 mg	80781102

ASTM Weights and Weight Sets

ASTM Class 4 Individual Weights

Adjusted to meet ASTM Class 4 Tolerances

- Can be used for calibration of semi-analytical balances and for student use.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Individual weights 1 mg through 10 kg are supplied in durable polycarbonate cases. Case lids lock tightly to ensure that your weight is held securely and kept clean and dust free.



Without Certificate	
Model	Item No.
50 kg	30391295
30 kg	30391294
25 kg	30391293
20 kg	30391292
10 kg	30391291
5 kg	30391290
3 kg	30391289
2 kg	30391288
1 kg	30391287
500 g	30391286
300 g	30391285
200 g	30391284
100 g	80780063
50 g	80780075
30 g	30391281
20 g	80780068
10 g	80780062
5 g	80780074
3 g	30391277
2 g	80780067
1 g	80780061
500 mg	80780073
300 mg	30391273
200 mg	80780066
100 mg	80780060
50 mg	80780072
30 mg	30391269
20 mg	80780065
10 mg	80780059
5 mg	80780071
3 mg	30391265
2 mg	80780064
1 mg	80780058

Traceable Certificate	
Model	Item No.
50 kg	30391108
30 kg	30391107
25 kg	30391106
20 kg	30391105
10 kg	30391104
5 kg	30391103
3 kg	30391102
2 kg	30391101
1 kg	30391100
500 g	30391099
300 g	30391098
200 g	30391097
100 g	30391096
50 g	30391095
30 g	30391094
20 g	30391093
10 g	30391092
5 g	30391091
3 g	30391090
2 g	30391089
1 g	30391088
500 mg	30391087
300 mg	30391086
200 mg	30391085
100 mg	30391084
50 mg	30391083
30 mg	30391082
20 mg	30391081
10 mg	30391080
5 mg	30391079
3 mg	30391078
2 mg	30391077
1 mg	30391076

NVLAP Certificate	
Model	Item No.
50 kg	30391328
30 kg	30391327
25 kg	30391326
20 kg	30391325
10 kg	30391324
5 kg	30391323
3 kg	30391322
2 kg	30391321
1 kg	30391320
500 g	30391319
300 g	30391318
200 g	30391317
100 g	80850287
50 g	80850297
30 g	30391314
20 g	80850292
10 g	80850286
5 g	80850296
3 g	30391310
2 g	80850291
1 g	80850285
500 mg	80850295
300 mg	30391306
200 mg	80850290
100 mg	80850284
50 mg	80850294
30 mg	30391302
20 mg	80850289
10 mg	80850283
5 mg	80850293
3 mg	30391298
2 mg	80850288
1 mg	80850282

ASTM Weights and Weight Sets

Cal-Paks

Designed for Routine Maintenance of Your Balance

- The three weights included in the set will test the accuracy and linearity of your balance throughout its entire range.
- Cal-Pak components and carrying case are linked through the use of a unique serial number. You can trace your individual weights to the appropriate NVLAP Certificate and master carrying case.
- Cal-Paks are supplied in a case with accessories for care and handling of the weights including gloves and forceps.



Model	Item No.
2 G-1 MG CAL-PAK ULTRAClass W/ NVLAP	30391799
5 G-1 MG CAL-PAK ULTRAClass W/ NVLAP	30391798
20 G-20 MG CAL-PAK CL 1 W/ NVLAP	30391797
20 G-200 MG CAL-PAK CL 1 W/ NVLAP	30391796
50 G-200 MG CAL-PAK CL 1 W/ NVLAP	30390007
50 G-2 G CAL-PAK CL 1 W/ NVLAP	30391795
100 G-20 MG CAL-PAK CL 1 W/NVLAP	30391794
100 G-200 MG CAL-PAK CL 1 W/NVLAP	30391793
100 G-2 G CAL-PAK CL 1 W/NVLAP	30391792
200 G-200 MG CAL-PAK CL 1 W/NVLAP	30391791
200 G-2 G CAL-PAK CL 1 W/NVLAP	30391790
500 G-20 MG CAL-PAK CL 1 W/NVLAP	30391789
500 G-200 MG CAL-PAK CL 1 W/NVLAP	30391788
500 G-2 G CAL-PAK CL 1 W/NVLAP	30391787
1 KG-2 G CAL-PAK CL 1 W/NVLAP	30391786
1 KG-20 G CAL-PAK CL 1 W/NVLAP	30391785
2 KG-2 G CAL-PAK CL 1 W/NVLAP	30391784
2 KG-20 G CAL-PAK CL 1 W/NVLAP	30391783
5 KG-2 G CAL-PAK CL 1 W/NVLAP	30390006
5 KG-2 G CAL-PAK CLASS 1 W/NVLAP	30390005
5 KG-20 G CAL-PAK CL 1 W/NVLAP	30391782
5 KG-20 G CAL-PAK CLASS 1 W/NVLAP	30390004
5 KG-2 G CAL-PAK CL 1 W/NVLAP	30390003
5 KG-2 G CAL-PAK CLASS 1 W/NVLAP	30390002
5 KG-20 G CAL-PAK CL 1 W/NVLAP	30390001
5 KG-20 G CAL-PAK CLASS 1 W/NVLAP	30390000

ASTM Weights and Weight Sets

Troemner UltraClass Weight Sets

Weight tolerance is equal to ANSI/ASTM E617 Class 0

- UltraClass weights combine high precision with the advantage of two-piece construction (1 g and larger) avoiding costly replacement issues associated with one-piece weights.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Weight sets 500 g and below include a polycarbonate case. Weight sets where the largest weight is 1 kg and above are supplied in a tough, lightweight, rugged case, designed to protect your weight set under any shipping circumstance.



Without Certificate	
Model	Item No.
50 kg-1 g	30390097
50 kg-1 mg	30390096
30 kg-1 g	30390095
30 kg-1 mg	30390094
25 kg-1 g	30390093
25 kg-1 mg	30390092
20 kg-1 g	30390091
20 kg-1 mg	30390090
10 kg-1 g	30390089
10 kg-1 mg	30390088
5 kg-1 g	30390087
5 kg-1 mg	30390086
2 - 2 kg-1 g	30390011
2 - 2 kg-1 mg	30390010
2 kg-1 g	30390085
2 kg-1 mg	30390084
1 kg-1 g	30390083
1 kg-1 mg	30390082
500 g-1 g	30390081
500 g-1 mg	30390080
2 - 200 g-1 g	30390009

Without Certificate	
Model	Item No.
2 - 200 g-1 mg	30390008
200 g-1 g	30390079
200 g-1 mg	30390078
100 g-1 g	30390077
100 g-100 mg	30390076
100 g-10 mg	30390075
100 g-5 mg	30390074
100 g-1 mg	30390073
50 g-1 g	30390072
50 g-100 mg	30390071
50 g-10 mg	30390070
50 g-5 mg	30390069
50 g-1 mg	30390068
20 g-1 g	30390067
20 g-100 mg	30390066
20 g-10 mg	30390065
20 g-5 mg	30390064
20 g-1 mg	30390063
500 mg-10 mg	30390062
500 mg-1 mg	30390061

ASTM Weights and Weight Sets

Troemner UltraClass Weight Sets

Weight tolerance is equal to ANSI/ASTM E617 Class 0

Traceable Certificate	
Model	Item No.
50 kg-1 g	30390134
50 kg-1 mg	30390133
30 kg-1 g	30390132
30 kg-1 mg	30390131
25 kg-1 g	30390130
25 kg-1 mg	30390129
20 kg-1 g	30390128
20 kg-1 mg	30390127
10 kg-1 g	30390126
10 kg-1 mg	30390125
5 kg-1 g	30390124
5 kg-1 mg	30390123
2 - 2 kg-1 g	30390015
2 - 2 kg-1 mg	30390014
2 kg-1 g	30390122
2 kg-1 mg	30390121
1 kg-1 g	30390120
1 kg-1 mg	30390119
500 g-1 g	30390118
500 g-1 mg	30390117
2 - 200 g-1 g	30390013
2 - 200 g-1 mg	30390012
200 g-1 g	30390116
200 g-1 mg	30390115
100 g-1 g	30390114
100 g-100 mg	30390113
100 g-10 mg	30390112
100 g-5 mg	30390111
100 g-1 mg	30390110
50 g-1 g	30390109
50 g-100 mg	30390108
50 g-10 mg	30390107
50 g-5 mg	30390106
50 g-1 mg	30390105
20 g-1 g	30390104
20 g-100 mg	30390103
20 g-10 mg	30390102
20 g-5 mg	30390101
20 g-1 mg	30390100
500 mg-10 mg	30390099
500 mg-1 mg	30390098

NVLAP Certificate	
Model	Item No.
50 kg-1 g	30390171
50 kg-1 mg	30390170
30 kg-1 g	30390169
30 kg-1 mg	30390168
25 kg-1 g	30390167
25 kg-1 mg	30390166
20 kg-1 g	30390165
20 kg-1 mg	30390164
10 kg-1 g	30390163
10 kg-1 mg	30390162
5 kg-1 g	30390161
5 kg-1 mg	30390160
2 - 2 kg-1 g	30390019
2 - 2 kg-1 mg	30390018
2 kg-1 g	30390159
2 kg-1 mg	30390158
1 kg-1 g	30390157
1 kg-1 mg	30390156
500 g-1 g	30390155
500 g-1 mg	30390154
2 - 200 g-1 g	30390017
2 - 200 g-1 mg	30390016
200 g-1 g	30390153
200 g-1 mg	30390152
100 g-1 g	30390151
100 g-100 mg	30390150
100 g-10 mg	30390149
100 g-5 mg	30390148
100 g-1 mg	30390147
50 g-1 g	30390146
50 g-100 mg	30390145
50 g-10 mg	30390144
50 g-5 mg	30390143
50 g-1 mg	30390142
20 g-1 g	30390141
20 g-100 mg	30390140
20 g-10 mg	30390139
20 g-5 mg	30390138
20 g-1 mg	30390137
500 mg-10 mg	30390136
500 mg-1 mg	30390135

ASTM Weights and Weight Sets

ASTM Class 1 Weight Sets

Adjusted to meet ASTM Class 1 Tolerances

- Can be used as a reference standard in calibrating other weights and is appropriate for calibrating high-precision analytical balances with a readability as low as 0.1 mg to 0.01 mg.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Weight sets 500 g and below include a polycarbonate case. Weight sets where the largest weight is 1 kg and above are supplied in a tough, lightweight, rugged case, designed to protect your weight set under any shipping circumstance.



Without Certificate	
Model	Item No.
50 kg-1 g	30391360
50 kg-1 mg	30391359
30 kg-1 g	30391358
30 kg-1 mg	30391357
25 kg-1 g	30391356
25 kg-1 mg	30391355
20 kg-1 g	30391354
20 kg-1 mg	30391353
10 kg-1 g	30391352
10 kg-1 mg	30391351
5 kg-1 g	30391350
5 kg-1 mg	30391349
2 - 2 kg-1 g	30390054
2 - 2 kg-1 mg	30390053
2 kg-1 g	30391348
2 kg-1 mg	30391347
1 kg-1 g	30391346
1 kg-1 mg	30391345
500 g-1 g	30391344
500 g-1 mg	30391343
2 - 200 g-1 g	80781033

Without Certificate	
Model	Item No.
2 - 200 g-1 mg	80781031
200 g-1 g	30391342
200 g-1 mg	30391341
100 g-1 g	80781029
100 g-100 mg	30391340
100 g-10 mg	30391339
100 g-5 mg	30391338
100 g-1 mg	80781027
50 g-1 g	80781025
50 g-100 mg	30391337
50 g-10 mg	30391336
50 g-5 mg	30391335
50 g-1 mg	80781023
20 g-1 g	30391334
20 g-100 mg	30391333
20 g-10 mg	30391332
20 g-5 mg	30391331
20 g-1 mg	30391330
500 mg-10 mg	30391329
500 mg-1 mg	80781021

ASTM Weights and Weight Sets

ASTM Class 1 Weight Sets

Adjusted to meet ASTM Class 1 Tolerances

Traceable Certificate	
Model	Item No.
50 kg-1 g	30391574
50 kg-1 mg	30391573
30 kg-1 g	30391572
30 kg-1 mg	30391571
25 kg-1 g	30391570
25 kg-1 mg	30391569
20 kg-1 g	30391568
20 kg-1 mg	30391567
10 kg-1 g	30391566
10 kg-1 mg	30391565
5 kg-1 g	30391564
5 kg-1 mg	30391563
2 - 2 kg-1 g	30390060
2 - 2 kg-1 mg	30390059
2 kg-1 g	30391562
2 kg-1 mg	30391561
1 kg-1 g	30391560
1 kg-1 mg	30391559
500 g-1 g	30391558
500 g-1 mg	30391557
2 - 200 g-1 g	30390058
2 - 200 g-1 mg	30390057
200 g-1 g	30391556
200 g-1 mg	30391555
100 g-1 g	30391554
100 g-100 mg	30391553
100 g-10 mg	30391552
100 g-5 mg	30391551
100 g-1 mg	30391550
50 g-1 g	30391549
50 g-100 mg	30391548
50 g-10 mg	30391547
50 g-5 mg	30391546
50 g-1 mg	30391545
20 g-1 g	30391544
20 g-100 mg	30391543
20 g-10 mg	30391542
20 g-5 mg	30391541
20 g-1 mg	30391540
500 mg-10 mg	30391539
500 mg-1 mg	30391538

NVLAP Certificate	
Model	Item No.
50 kg-1 g	30391392
50 kg-1 mg	30391391
30 kg-1 g	30391390
30 kg-1 mg	30391389
25 kg-1 g	30391388
25 kg-1 mg	30391387
20 kg-1 g	30391386
20 kg-1 mg	30391385
10 kg-1 g	30391384
10 kg-1 mg	30391383
5 kg-1 g	30391382
5 kg-1 mg	30391381
2 - 2 kg-1 g	30390056
2 - 2 kg-1 mg	30390055
2 kg-1 g	30391380
2 kg-1 mg	30391379
1 kg-1 g	30391378
1 kg-1 mg	30391377
500 g-1 g	30391376
500 g-1 mg	30391375
2 - 200 g-1 g	80781034
2 - 200 g-1 mg	80781032
200 g-1 g	30391374
200 g-1 mg	30391373
100 g-1 g	80781030
100 g-100 mg	30391372
100 g-10 mg	30391371
100 g-5 mg	30391370
100 g-1 mg	80781028
50 g-1 g	80781026
50 g-100 mg	30391369
50 g-10 mg	30391368
50 g-5 mg	30391367
50 g-1 mg	80781024
20 g-1 g	30391366
20 g-100 mg	30391365
20 g-10 mg	30391364
20 g-5 mg	30391363
20 g-1 mg	30391362
500 mg-10 mg	30391361
500 mg-1 mg	80781022

ASTM Weights and Weight Sets

ASTM Class 4 Weight Sets

Adjusted to meet ASTM Class 4 Tolerances

- Can be used for calibration of semi-analytical balances and for student use.
- Weights are designed so the specifications on surface finish, markings, construction, material density, and magnetic properties become more restrictive as the weight tolerances decrease.
- Weight sets 500 g and below include a polycarbonate case. Weight sets where the largest weight is 1 kg and above are supplied in a tough, lightweight, rugged case, designed to protect your weight set under any shipping circumstance.



Without Certificate	
Model	Item No.
50 kg-1 g	30391228
50 kg-1 mg	30391227
30 kg-1 g	30391226
30 kg-1 mg	30391225
25 kg-1 g	30391224
25 kg-1 mg	30391223
20 kg-1 g	30391222
20 kg-1 mg	30391221
10 kg-1 g	30391220
10 kg-1 mg	30391219
5 kg-1 g	30391218
5 kg-1 mg	30391217
2 - 2 kg-1 g	30390048
2 - 2 kg-1 mg	30390047
2 kg-1 g	30391216
2 kg-1 mg	30391215
1 kg-1 g	30391214
1 kg-1 mg	30391213
500 g-1 g	30391212
500 g-1 mg	30391211
2 - 200 g-1 g	30390046

Without Certificate	
Model	Item No.
2 - 200 g-1 mg	30390045
200 g-1 g	30391210
200 g-1 mg	30391209
100 g-1 g	30391208
100 g-100 mg	30391207
100 g-10 mg	30391206
100 g-5 mg	30391205
100 g-1 mg	80780101
50 g-1 g	30391204
50 g-100 mg	30391203
50 g-10 mg	30391202
50 g-5 mg	30391201
50 g-1 mg	80780111
20 g-1 g	30391200
20 g-100 mg	30391199
20 g-10 mg	30391198
20 g-5 mg	30391197
20 g-1 mg	30391196
500 mg-10 mg	30391195
500 mg-1 mg	80780100

ASTM Weights and Weight Sets

ASTM Class 4 Weight Sets

Adjusted to meet ASTM Class 4 Tolerances

Traceable Certificate	
Model	Item No.
50 kg-1 g	30391075
50 kg-1 mg	30391074
30 kg-1 g	30391073
30 kg-1 mg	30391072
25 kg-1 g	30391071
25 kg-1 mg	30391070
20 kg-1 g	30391069
20 kg-1 mg	30391068
10 kg-1 g	30391067
10 kg-1 mg	30391066
5 kg-1 g	30391065
5 kg-1 mg	30391064
2 - 2 kg-1 g	30390044
2 - 2 kg-1 mg	30390043
2 kg-1 g	30391063
2 kg-1 mg	30391062
1 kg-1 g	30391061
1 kg-1 mg	30391060
500 g-1 g	30391059
500 g-1 mg	30391058
2 - 200 g-1 g	30390042
2 - 200 g-1 mg	30390041
200 g-1 g	30391057
200 g-1 mg	30391056
100 g-1 g	30391055
100 g-100 mg	30391054
100 g-10 mg	30391053
100 g-5 mg	30391052
100 g-1 mg	30391051
50 g-1 g	30391050
50 g-100 mg	30391049
50 g-10 mg	30391048
50 g-5 mg	30391047
50 g-1 mg	30391046
20 g-1 g	30391045
20 g-100 mg	30391044
20 g-10 mg	30391043
20 g-5 mg	30391042
20 g-1 mg	30391041
500 mg-10 mg	30391040
500 mg-1 mg	30391039

NVLAP Certificate	
Model	Item No.
50 kg-1 g	30391262
50 kg-1 mg	30391261
30 kg-1 g	30391260
30 kg-1 mg	30391259
25 kg-1 g	30391258
25 kg-1 mg	30391257
20 kg-1 g	30391256
20 kg-1 mg	30391255
10 kg-1 g	30391254
10 kg-1 mg	30391253
5 kg-1 g	30391252
5 kg-1 mg	30391251
2 - 2 kg-1 g	30390052
2 - 2 kg-1 mg	30390051
2 kg-1 g	30391250
2 kg-1 mg	30391249
1 kg-1 g	30391248
1 kg-1 mg	30391247
500 g-1 g	30391246
500 g-1 mg	30391245
2 - 200 g-1 g	30390050
2 - 200 g-1 mg	30390049
200 g-1 g	30391244
200 g-1 mg	30391243
100 g-1 g	30391242
100 g-100 mg	30391241
100 g-10 mg	30391240
100 g-5 mg	30391239
100 g-1 mg	80850265
50 g-1 g	30391238
50 g-100 mg	30391237
50 g-10 mg	30391236
50 g-5 mg	30391235
50 g-1 mg	80850264
20 g-1 g	30391234
20 g-100 mg	30391233
20 g-10 mg	30391232
20 g-5 mg	30391231
20 g-1 mg	30391230
500 mg-10 mg	30391229
500 mg-1 mg	80850263

ASTM Weights and Weight Sets

ASTM Class 1 Electronic Balance Weights

Adjusted to meet ASTM Class 1 Tolerances

- Can be used to check or verify the accuracy of your balance and/or scale between calibrations.
- Weights are available in a cylindrical design up through 5 kg and a stackable grip-handle design from 5 kg through 30 kg for all necessary testing, calibration and adjustment of electronic scales and balances.
- Weights 10 g through 10 kg are supplied in a high quality polycarbonate case; a nylon glove is included to protect weights during use.



Without Certificate		Traceable Certificate		NVLAP Certificate	
Model	Item No.	Model	Item No.	Model	Item No.
30 kg grip	80781007	30 kg grip	30391520	30 kg grip	80781008
25 kg grip	30391488	25 kg grip	30391519	25 kg grip	30391537
24 kg grip	30391487	24 kg grip	30391518	24 kg grip	30391536
20 kg grip	80781005	20 kg grip	30391517	20 kg grip	80781006
16 kg grip	30391485	16 kg grip	30391516	16 kg grip	30391535
10 kg grip	80781003	10 kg grip	30391515	10 kg grip	80781004
8 kg grip	30391483	8 kg grip	30391514	8 kg grip	30391534
5 kg grip	80781001	5 kg grip	30391513	5 kg grip	80781002
5 kg cyl	30391481	5 kg cyl	30391512	5 kg cyl	30391533
4 kg grip	30391480	4 kg grip	30391511	4 kg grip	30391532
4 kg cyl	80780027	4 kg cyl	30391510	4 kg cyl	80850275
3 kg cyl	30391478	3 kg cyl	30391509	3 kg cyl	30391531
2 kg cyl	80780024	2 kg cyl	30391508	2 kg cyl	80850272
1500 g cyl	30391476	1500 g cyl	30391507	1500 g cyl	30391530
1000 g cyl	80780021	1000 g cyl	30391506	1000 g cyl	80850269
600 g cyl	30391474	600 g cyl	30391505	600 g cyl	30391529
500 g cyl	80780029	500 g cyl	30391504	500 g cyl	80850277
400 g cyl	80780026	400 g cyl	30391503	400 g cyl	80850274
300 g cyl	30391471	300 g cyl	30391502	300 g cyl	30391528
200 g cyl	80780023	200 g cyl	30391501	200 g cyl	80850271
160 g cyl	30391469	160 g cyl	30391500	160 g cyl	30391527
150 g cyl	30391468	150 g cyl	30391499	150 g cyl	30391526
100 g cyl	80780020	100 g cyl	30391498	100 g cyl	80850268
80 g cyl	30391466	80 g cyl	30391497	80 g cyl	30391525
70 g cyl	30391465	70 g cyl	30391496	70 g cyl	30391524
60 g cyl	30391464	60 g cyl	30391495	60 g cyl	30391523
50 g cyl	80780028	50 g cyl	30391494	50 g cyl	80850276
40 g cyl	80780025	40 g cyl	30391493	40 g cyl	80850273
30 g cyl	30391461	30 g cyl	30391492	30 g cyl	30391522
20 g cyl	80780022	20 g cyl	30391491	20 g cyl	80850270
10 g cyl	30391459	10 g cyl	30391490	10 g cyl	30391521

ASTM Weights and Weight Sets

ASTM Class 4 Electronic Balance Weights

Adjusted to meet ASTM Class 4 Tolerances

- Can be used to check or verify the accuracy of your balance and/or scale between calibrations.
- Weights are available in a cylindrical design up through 5 kg and a stackable grip-handle design from 5 kg through 30 kg for all necessary testing, calibration and adjustment of electronic scales and balances.
- Weights 10 g through 10 kg are supplied in a high quality polycarbonate case; a nylon glove is included to protect weights during use.



Without Certificate		Traceable Certificate		NVLAP Certificate	
Model	Item No.	Model	Item No.	Model	Item No.
30 kg grip	30391139	30 kg grip	30391170	30 kg grip	30391194
25 kg grip	30391138	25 kg grip	30391169	25 kg grip	30391193
24 kg grip	30391137	24 kg grip	30391168	24 kg grip	30391192
20 kg grip	30391136	20 kg grip	30391167	20 kg grip	30391191
16 kg grip	30391135	16 kg grip	30391166	16 kg grip	30391190
10 kg grip	30391134	10 kg grip	30391165	10 kg grip	30391189
8 kg grip	30391133	8 kg grip	30391164	8 kg grip	30391188
5 kg grip	30391132	5 kg grip	30391163	5 kg grip	30391187
5 kg cyl	30391131	5 kg cyl	30391162	5 kg cyl	30391186
4 kg grip	30391130	4 kg grip	30391161	4 kg grip	30391185
4 kg cyl	30391129	4 kg cyl	30391160	4 kg cyl	30391184
3 kg cyl	30391128	3 kg cyl	30391159	3 kg cyl	30391183
2 kg cyl	80780145	2 kg cyl	30391158	2 kg cyl	80780146
1500 g cyl	30391126	1500 g cyl	30391157	1500 g cyl	30391182
1000 g cyl	80780143	1000 g cyl	30391156	1000 g cyl	80780144
600 g cyl	30391124	600 g cyl	30391155	600 g cyl	30391181
500 g cyl	80780141	500 g cyl	30391154	500 g cyl	80780142
400 g cyl	80780139	400 g cyl	30391153	400 g cyl	80780140
300 g cyl	80780137	300 g cyl	30391152	300 g cyl	80780138
200 g cyl	80780135	200 g cyl	30391151	200 g cyl	80780136
160 g cyl	30391119	160 g cyl	30391150	160 g cyl	30391180
150 g cyl	30391118	150 g cyl	30391149	150 g cyl	30391179
100 g cyl	80780133	100 g cyl	30391148	100 g cyl	80780134
80 g cyl	30391116	80 g cyl	30391147	80 g cyl	30391178
70 g cyl	30391115	70 g cyl	30391146	70 g cyl	30391177
60 g cyl	30391114	60 g cyl	30391145	60 g cyl	30391176
50 g cyl	30391113	50 g cyl	30391144	50 g cyl	30391175
40 g cyl	30391112	40 g cyl	30391143	40 g cyl	30391174
30 g cyl	30391111	30 g cyl	30391142	30 g cyl	30391173
20 g cyl	30391110	20 g cyl	30391141	20 g cyl	30391172
10 g cyl	30391109	10 g cyl	30391140	10 g cyl	30391171

OIML Weights and Weight Sets

OIML E1 & E2 Individual Weights

Manufactured to meet OIML R 111 weight specifications

- OIML R 111 weight specifications are designed so the specifications on surface finish, markings, construction, material density and magnetic properties become more restrictive as weight tolerances decrease in order to enable the weight to maintain its tolerance over time.
- Weights 1 g and above are one-piece construction. Weights 1 g and larger are cylindrical in shape with a tapered neck for easy gripping. They are perfectly flat on top to stack easily on center. Weight bottoms are slightly recessed to expose the smallest possible area to wear.
- Individual weights 1 mg through 10 kg are supplied in durable polycarbonate cases. Case lids lock tightly to ensure that your weight is held securely and kept clean and dust free.



E1 Weights NVLAP	
Model	Item No.
50 kg	30390927
20 kg	30390928
10 kg	30390929
5 kg	30390930
2 kg	30390931
1 kg	30390932
500 g	30390933
200 g	30390934
100 g	30390935
50 g	30390936
20 g	30390937
10 g	30390938
5 g	30390939
2 g	30390940
1 g	30390941
500 mg	30390942
200 mg	30390943
100 mg	30390944
50 mg	30390945
20 mg	30390946
10 mg	30390947
5 mg	30390948
2 mg	30390949
1 mg	30390950

E2 Weights NVLAP	
Model	Item No.
50 kg	30390903
20 kg	80780306
10 kg	80780305
5 kg	80780304
2 kg	80780303
1 kg	80780302
500 g	80780301
200 g	80780300
100 g	80780299
50 g	80780298
20 g	80780297
10 g	80780296
5 g	80780295
2 g	80780294
1 g	80780293
500 mg	80780292
200 mg	80780291
100 mg	80780290
50 mg	80780289
20 mg	80780288
10 mg	80780287
5 mg	80780286
2 mg	80780285
1 mg	80780284

OIML Weights and Weight Sets

OIML F1 & F2 Individual Weights

Manufactured to meet OIML R 111 weight specifications

- OIML R 111 weight specifications are designed so the specifications on surface finish, markings, construction, material density and magnetic properties become more restrictive as weight tolerances decrease in order to enable the weight to maintain its tolerance over time.
- Weights 1 g and above are two-piece construction. OIML Calibration Weights 1 g and larger are cylindrical in shape with a tapered neck for easy gripping. They are perfectly flat on top to stack easily on center. Weight bottoms are slightly recessed to expose the smallest possible area to wear.
- Individual weights 1 mg through 10 kg are supplied in durable polycarbonate cases. Case lids lock tightly to ensure that your weight is held securely and kept clean and dust free.



F1 Weights Without Certificate

Model	Item No.
50 kg	80780330
20 kg	80780329
10 kg	80780328
5 kg	80780327
2 kg	80780326
1 kg	80780325
500 g	80780324
200 g	80780323
100 g	80780322
50 g	80780321
20 g	80780320
10 g	80780319
5 g	80780318
2 g	80780317
1 g	80780316
500 mg	80780315
200 mg	80780314
100 mg	80780313
50 mg	80780312
20 mg	80780311
10 mg	80780310
5 mg	80780309
2 mg	80780308
1 mg	80780307

F1 Weights NVLAP Certificate

Model	Item No.
50 kg	30390901
20 kg	80780353
10 kg	80780352
5 kg	80780351
2 kg	80780350
1 kg	80780349
500 g	80780348
200 g	80780347
100 g	80780346
50 g	80780345
20 g	80780344
10 g	80780343
5 g	80780342
2 g	80780341
1 g	80780340
500 mg	80780339
200 mg	80780338
100 mg	80780337
50 mg	80780336
20 mg	80780335
10 mg	80780334
5 mg	80780333
2 mg	80780332
1 mg	80780331

OIML Weights and Weight Sets

OIML F1 & F2 Individual Weights

Manufactured to meet OIML R 111 weight specifications

F2 Weights Without Certificate	
Model	Item No.
50 kg	30390853
20 kg	30390854
10 kg	30390855
5 kg	30390856
2 kg	30390857
1 kg	30390858
500 g	30390859
200 g	30390860
100 g	30390861
50 g	30390862
20 g	30390863
10 g	30390864
5 g	30390865
2 g	30390866
1 g	30390867
500 mg	30390868
200 mg	30390869
100 mg	30390870
50 mg	30390871
20 mg	30390872
10 mg	30390873
5 mg	30390874
2 mg	30390875
1 mg	30390876

F2 Weights NVLAP Certificate	
Model	Item No.
50 kg	30390877
20 kg	30390878
10 kg	30390879
5 kg	30390880
2 kg	30390881
1 kg	30390882
500 g	30390883
200 g	30390884
100 g	30390885
50 g	30390886
20 g	30390887
10 g	30390888
5 g	30390889
2 g	30390890
1 g	30390891
500 mg	30390892
200 mg	30390893
100 mg	30390894
50 mg	30390895
20 mg	30390896
10 mg	30390897
5 mg	30390898
2 mg	30390899
1 mg	30390900

OIML Weights and Weight Sets

OIML E1 & E2 Weight Sets

Manufactured to meet OIML R 111 weight specifications

- OIML R 111 weight specifications are designed so the specifications on surface finish, markings, construction, material density and magnetic properties become more restrictive as weight tolerances decrease in order to enable the weight to maintain its tolerance over time.
- Weights 1 g and above are one-piece construction. Weights 1 g and larger are cylindrical in shape with a tapered neck for easy gripping. They are perfectly flat on top to stack easily on center. Weight bottoms are slightly recessed to expose the smallest possible area to wear.
- Weight sets 500 g and below include a polycarbonate case. Weight sets where the largest weight is 1 kg and above are supplied in a tough, lightweight, rugged case, designed to protect your weight set under any shipping circumstance.



E1 Sets NVLAP	
Model	Item No.
50 kg - 1 g	30390904
50 kg - 1 mg	30390905
20 kg - 1 g	30390906
20 kg - 1 mg	30390907
10 kg - 1 g	30390908
10 kg - 1 mg	30390909
5 kg - 1 kg	30390910
5 kg - 1 g	30390911
5 kg - 1 mg	30390912
2 kg - 1 g	30390913
2 kg - 1 mg	30390914
(2) 2 kg - 1 g	30390037
(2) 2 kg - 1 mg	30390038
1 kg - 1 g	30390915
1 kg - 1 mg	30390916
500 g - 1 g	30390917
500 g - 1 mg	30390918
200 g - 1 g	30390919
200 g - 1 mg	30390920
(2) 200 g - 1 g	30390039
(2) 200 g - 1 mg	30390040
100 g - 1 g	30390921
100 g - 1 mg	30390922
50 g - 1 g	30390923
50 g - 1 mg	30390924
5 g - 1 mg	30390925
500 mg - 1 mg	30390926

E2 Sets NVLAP	
Model	Item No.
50 kg - 1 g	80780407
50 kg - 1 mg	80780406
20 kg - 1 g	80780405
20 kg - 1 mg	80780404
10 kg - 1 g	80780403
10 kg - 1 mg	80780402
5 kg - 1 kg	80780401
5 kg - 1 g	80780400
5 kg - 1 mg	80780399
2 kg - 1 g	80780398
2 kg - 1 mg	80780397
(2) 2 kg - 1 g	80780396
(2) 2 kg - 1 mg	80780395
1 kg - 1 g	80780394
1 kg - 1 mg	80780393
500 g - 1 g	80780392
500 g - 1 mg	80780391
200 g - 1 g	80780390
200 g - 1 mg	80780389
(2) 200 g - 1 g	80780388
(2) 200 g - 1 mg	80780387
100 g - 1 g	80780386
100 g - 1 mg	80780385
50 g - 1 g	80780384
50 g - 1 mg	80780383
5 g - 1 mg	80780382
500 mg - 1 mg	80780381

OIML Weights and Weight Sets

OIML F1 & F2 Weight Sets

Manufactured to meet OIML R 111 weight specifications

- OIML R 111 weight specifications are designed so the specifications on surface finish, markings, construction, material density and magnetic properties become more restrictive as weight tolerances decrease in order to enable the weight to maintain its tolerance over time.
- Weights 1 g and above are two-piece construction. OIML Calibration Weights 1 g and larger are cylindrical in shape with a tapered neck for easy gripping. They are perfectly flat on top to stack easily on center. Weight bottoms are slightly recessed to expose the smallest possible area to wear.
- Weight sets 500 g and below include a polycarbonate case. Weight sets where the largest weight is 1 kg and above are supplied in a tough, lightweight, rugged case, designed to protect your weight set under any shipping circumstance.



F1 Weights Without Certificate	
Model	Item No.
50 kg - 1 g	80780434
50 kg - 1 mg	80780433
20 kg - 1 g	80780432
20 kg - 1 mg	80780431
10 kg - 1 g	80780430
10 kg - 1 mg	80780429
5 kg - 1 g	80780428
5 kg - 1 mg	80780427
5 kg - 1 mg	80780426
2 kg - 1 g	80780425
2 kg - 1 mg	80780424
(2) 2 kg - 1 g	80780423
(2) 2 kg - 1 mg	80780422
1 kg - 1 g	80780421
1 kg - 1 mg	80780420
500 g - 1 g	80780419
500 g - 1 mg	80780418
200 g - 1 g	80780417
200 g - 1 mg	80780416
(2) 200 g - 1 g	80780415
(2) 200 g - 1 mg	80780414
100 g - 1 g	80780413
100 g - 1 mg	80780412
50 g - 1 g	80780411
50 g - 1 mg	80780410
5 g - 1 mg	80780409
500 mg - 1 mg	80780408

F1 Weights NVLAP Certificate	
Model	Item No.
50 kg - 1 g	80780461
50 kg - 1 mg	80780460
20 kg - 1 g	80780459
20 kg - 1 mg	80780458
10 kg - 1 g	80780457
10 kg - 1 mg	80780456
5 kg - 1 g	80780455
5 kg - 1 g	80780454
5 kg - 1 mg	80780453
2 kg - 1 g	80780452
2 kg - 1 mg	80780451
(2) 2 kg - 1 g	80780450
(2) 2 kg - 1 mg	80780449
1 kg - 1 g	80780448
1 kg - 1 mg	80780447
500 g - 1 g	80780446
500 g - 1 mg	80780445
200 g - 1 g	80780444
200 g - 1 mg	80780443
(2) 200 g - 1 g	80780442
(2) 200 g - 1 mg	80780441
100 g - 1 g	80780440
100 g - 1 mg	80780439
50 g - 1 g	80780438
50 g - 1 mg	80780437
5 g - 1 mg	80780436
500 mg - 1 mg	80780435

OIML Weights and Weight Sets

OIML F1 & F2 Weight Sets

Manufactured to meet OIML R 111 weight specifications

F2 Weights Without Certificate	
Model	Item No.
50 kg - 1 g	30390807
50 kg - 1 mg	30390808
20 kg - 1 g	30390809
20 kg - 1 mg	30390810
10 kg - 1 g	30390811
10 kg - 1 mg	30390812
5 kg - 1 kg	30390813
5 kg - 1 g	30390814
5 kg - 1 mg	30390815
2 kg - 1 g	30390816
2 kg - 1 mg	30390817
(2) 2 kg - 1 g	30390029
(2) 2 kg - 1 mg	30390030
1 kg - 1 g	30390818
1 kg - 1 mg	30390819
500 g - 1 g	30390820
500 g - 1 mg	30390821
200 g - 1 g	30390822
200 g - 1 mg	30390823
(2) 200 g - 1 g	30390031
(2) 200 g - 1 mg	30390032
100 g - 1 g	30390824
100 g - 1 mg	30390825
50 g - 1 g	30390826
50 g - 1 mg	30390827
5 g - 1 mg	30390828
500 mg - 1 mg	30390829

F2 Weights NVLAP Certificate	
Model	Item No.
50 kg - 1 g	30390830
50 kg - 1 mg	30390831
20 kg - 1 g	30390832
20 kg - 1 mg	30390833
10 kg - 1 g	30390834
10 kg - 1 mg	30390835
5 kg - 1 kg	30390836
5 kg - 1 g	30390837
5 kg - 1 mg	30390838
2 kg - 1 g	30390839
2 kg - 1 mg	30390840
(2) 2 kg - 1 g	30390033
(2) 2 kg - 1 mg	30390034
1 kg - 1 g	30390841
1 kg - 1 mg	30390842
500 g - 1 g	30390843
500 g - 1 mg	30390844
200 g - 1 g	30390845
200 g - 1 mg	30390846
(2) 200 g - 1 g	30390035
(2) 200 g - 1 mg	30390036
100 g - 1 g	30390847
100 g - 1 mg	30390848
50 g - 1 g	30390849
50 g - 1 mg	30390850
5 g - 1 mg	30390851
500 mg - 1 mg	30390852

ASTM Weights & Weight Sets

ASTM Class 6 Weights - Cylindrical

Adjusted to Meet or Exceed ASTM Class 6 Tolerances

- Weights from 1 g to 2 kg are Stainless Steel and Weights 500 mg and below are Aluminum.
- Weight Sets include a Weight Case.
- Individual Weights do not include a case.



Cylindrical Weights

Model	Item No.
Weight Set, 500 mg-1 mg, ASTM 6, Cyl	80850110
Weight Set, 50 g-10 mg, ASTM 6, Cyl	80850111
Weight Set, 100 g-1 mg, ASTM 6, Cyl	80850112
Weight Set, 200 g-1 mg, ASTM 6, Cyl	80850113
Weight Set, 500 g-1 g, ASTM 6, Cyl	80850114
Weight Set, 1 kg-1 g, ASTM 6, Cyl	80850115
Weight Set, 2 kg-1 g, ASTM 6, Cyl	80850116
Weight Set, 50 g-1 g, ASTM 6, Cyl	80850117
Weight, 1 g, ASTM 6, Cyl, Body	80850118
Weight, 2 g, ASTM 6, Cyl, Body	80850119
Weight, 5 g, ASTM 6, Cyl, Body	80850120
Weight, 10 g, ASTM 6, Cyl, Body	80850121
Weight, 20 g, ASTM 6, Cyl, Body	80850122
Weight, 50 g, ASTM 6, Cyl, Body	80850123
Weight, 100 g, ASTM 6, Cyl, Body	80850124
Weight, 200 g, ASTM 6, Cyl, Body	80850125
Weight, 300 g, ASTM 6, Cyl, Body	80850126
Weight, 500 g, ASTM 6, Cyl, Body	80850127
Weight, 1 kg, ASTM 6, Cyl, Body	80850128
Weight, 2 kg, ASTM 6, Cyl, Body	80850129

ASTM Weights & Weight Sets

ASTM Class 6 Weights - Cylindrical

Adjusted to Meet or Exceed ASTM Class 6 Tolerances

Hooked Weights

Model	Item No.
Weight Set, 1 kg-10 g, ASTM 6, Hooked	80850130
Weight, 10 g, Hooked	80850131
Weight, 20 g, Hooked	80850132
Weight, 50 g, Hooked	80850133
Weight, 100 g, Hooked	80850134
Weight, 200 g, Hooked	80850135
Weight, 500 g, Hooked	80850136
Weight, 1 kg, Hooked	80850137

Slotted Weights

Model	Item No.
Weight Set, Slotted 500 g-10 g	80850138
Weight Set, Slotted 500 g-1 g	80850139
Weight Set, 1 g, ASTM 6, Slotted	80850140
Weight Set, 2 g, ASTM 6, Slotted	80850141
Weight Set, 5 g, ASTM 6, Slotted	80850142
Weight Set, 10 g, ASTM 6, Slotted	80850143
Weight Set, 20 g, ASTM 6, Slotted	80850144
Weight Set, 50 g, ASTM 6, Slotted	80850145
Weight Set, 100 g, ASTM 6, Slotted	80850146
Weight Set, 200 g, ASTM 6, Slotted	80850147
Weight Set, 500 g, ASTM 6, Slotted	80850148
Weight, 50 g, Hanger	80850149

NIST Class F Weights

NIST Class F Cast Iron Grip Weights

Manufactured to meet NIST Handbook 105-1 specifications

- Cast Iron Grip Handle Weights are primarily used to test commercial weighing devices by state and local weights and measures officials, device installers, and service technicians.
- Cast Iron Grip Handle Weights larger than 5 kg/10 lb are legal-for-trade, which means their design is acceptable for use in checking weighing devices where the price of the item being purchased is based on its weight.
- All surfaces are smooth and free of scratches, dents and pores as outlined in NIST Handbook 105-1.



Without Certificate	
Model	Item No.
5000 lb	30391735
3000 lb	30391734
2500 lb	30391733
2000 lb	30391732
1500 lb	30391731
1250 lb	30391730
1000 lb	30391729
500 lb	30391728
250 lb	30391727
200 lb	30391726
100 lb	80850311
50 lb	80850310
30 lb	30391723
25 lb	80850309
20 lb	80850308
10 lb	80850307
5 lb	80850306

Traceable Certificate	
Model	Item No.
5000 lb	30391764
3000 lb	30391763
2500 lb	30391762
2000 lb	30391761
1500 lb	30391760
1250 lb	30391759
1000 lb	30391758
500 lb	30391757
250 lb	30391756
200 lb	30391755
100 lb	30391754
50 lb	30391753
30 lb	30391752
25 lb	30391751
20 lb	30391750
10 lb	30391749
5 lb	30391748

NVLAP Certificate	
Model	Item No.
5000 lb	30391781
3000 lb	30391780
2500 lb	30391779
2000 lb	30391778
1500 lb	30391777
1250 lb	30391776
1000 lb	30391775
500 lb	30391774
250 lb	30391773
200 lb	30391772
100 lb	30391771
50 lb	30391770
30 lb	30391769
25 lb	30391768
20 lb	30391767
10 lb	30391766
5 lb	30391765

Without Certificate	
Model	Item No.
2000 kg	30391718
1000 kg	30391717
500 kg	30391716
250 kg	30391715
200 kg	30391714
100 kg	30391713
50 kg	80850305
25 kg	80850304
20 kg	80850303
10 kg	80850302
5 kg	80850301
2 kg	80850300

Traceable Certificate	
Model	Item No.
2000 kg	30391747
1000 kg	30391746
500 kg	30391745
250 kg	30391744
200 kg	30391743
100 kg	30391742
50 kg	30391741
25 kg	30391740
20 kg	30391739
10 kg	30391738
5 kg	30391737
2 kg	30391736

NVLAP Certificate	
Model	Item No.
2000 kg	30391706
1000 kg	30391705
500 kg	30391704
250 kg	30391703
200 kg	30391702
100 kg	30391701
50 kg	30391700
25 kg	30391699
20 kg	30391698
10 kg	30391697
5 kg	30391696
2 kg	30391695

NIST Class F Weights

NIST Class F Stainless Steel Individual Weights

Manufactured to meet NIST Handbook 105-1 specifications

- Stainless Steel Test Weights are primarily used to test commercial weighing devices by state and local weights and measures officials, device installers, and service technicians.
- Weights 5 kg /10 lb and below must be made of stainless steel of quality no lower than 300 series. Adjusting cavities are typically on the top of the weight and must be tamper resistant.
- All surfaces have a satin finish and conform to specifications in NIST Handbook 105-1.



Without Certificate		Traceable Certificate		NVLAP Certificate	
Model	Item No.	Model	Item No.	Model	Item No.
20 kg grip	30390593	20 kg grip	30390657	20 kg grip	30390721
16 kg grip	30390592	16 kg grip	30390656	16 kg grip	30390720
10 kg grip	30390591	10 kg grip	30390655	10 kg grip	30390719
8 kg grip	30390590	8 kg grip	30390654	8 kg grip	30390718
5 kg grip	30390589	5 kg grip	30390653	5 kg grip	30390717
5000 g	30390588	5000 g	30390652	5000 g	30390716
4000 g	30390587	4000 g	30390651	4000 g	30390715
3000 g	30390586	3000 g	30390650	3000 g	30390714
2000 g	30390585	2000 g	30390649	2000 g	30390713
1000 g	30390584	1000 g	30390648	1000 g	30390712
500 g	30390582	500 g	30390646	500 g	30390710
400 g	30390580	400 g	30390644	400 g	30390708
300 g	30390579	300 g	30390643	300 g	30390707
200 g	30390577	200 g	30390641	200 g	30390705
100 g	30390575	100 g	30390639	100 g	30390703
50 g	30390573	50 g	30390637	50 g	30390701
30 g	30390572	30 g	30390636	30 g	30390700
20 g	30390571	20 g	30390635	20 g	30390699
10 g	30390570	10 g	30390634	10 g	30390698
5 g	30390569	5 g	30390633	5 g	30390697
3 g	30390568	3 g	30390632	3 g	30390696
2 g	30390567	2 g	30390631	2 g	30390695
1 g	30390566	1 g	30390630	1 g	30390694

NIST Class F Weights

NIST Class F Stainless Steel Individual Weights

Manufactured to meet NIST Handbook 105-1 specifications

Without Certificate		Traceable Certificate		NVLAP Certificate	
Model	Item No.	Model	Item No.	Model	Item No.
20 lb. grip	30390550	20 lb. grip	30390614	20 lb. grip	30390678
10 lb. grip	30390549	10 lb. grip	30390613	10 lb. grip	30390677
10 lb.	30390548	10 lb.	30390612	10 lb.	30390676
5 lb.	30390547	5 lb.	30390611	5 lb.	30390675
4 lb.	30390546	4 lb.	30390610	4 lb.	30390674
3 lb.	30390545	3 lb.	30390609	3 lb.	30390673
2 lb.	30390544	2 lb.	30390608	2 lb.	30390672
1 lb.	30390542	1 lb.	30390606	1 lb.	30390670
12 oz	30390540	12 oz	30390604	12 oz	30390668
8 oz	30390539	8 oz	30390603	8 oz	30390667
8 oz cube	30390538	8 oz cube	30390602	8 oz cube	30390666
4 oz	30390537	4 oz	30390601	4 oz	30390665
4 oz cube	30390536	4 oz cube	30390600	4 oz cube	30390664
2 oz	30390535	2 oz	30390599	2 oz	30390663
2 oz cube	30390534	2 oz cube	30390598	2 oz cube	30390662
1 oz	30390533	1 oz	30390597	1 oz	30390661

NIST Class F Weights

NIST Class F Stainless Steel Weigh Sets

Manufactured to meet NIST Handbook 105-1 specifications

- Stainless Steel Test Weights are primarily used to test commercial weighing devices by state and local weights and measures officials, device installers, and service technicians.
- Weights 5 kg /10 lb and below must be made of stainless steel of quality no lower than 300 series. Adjusting cavities are typically on the top of the weight and must be tamper resistant.
- All surfaces have a satin finish and conform to specifications in NIST Handbook 105-1.



Without Certificate	
Model	Item No.
5000 g-1 mg	30390403
5000 g-1 mg	30390397
5000 g-1 g	30390405
5000 g-1 g	30390399
2000 g-1 mg	30390406
2000 g-1 g	30390408
2000 g-10 mg	30390407
2000 g-1 mg	30390400
1000 g-1 g	30390411
500 g-1 g	30390414
100 g-1 mg	30390415
50 g-1 g	30390420
50 g-10 mg	30390419
10 lb-1/32 oz	30390384
10 lb-.001 lb	30390383
5 lb-.001 lb	30390373
5 lb-.001 lb	30390375
5 lb-1/32 oz	30390376
5 lb-.05 oz	30390374
5 lb-1/32 oz	30390387
4 oz-1/32 oz	30390379
.2 lb-.001 lb	30390381

Traceable Certificate	
Model	Item No.
5000 g-1 mg	30390459
5000 g-1 mg	30390453
5000 g-1 g	30390461
5000 g-1 g	30390455
2000 g-1 mg	30390462
2000 g-1 g	30390464
2000 g-10 mg	30390463
2000 g-1 mg	30390456
1000 g-1 g	30390467
500 g-1 g	30390470
100 g-1 mg	30390471
50 g-1 g	30390476
50 g-10 mg	30390475
10 lb-1/32 oz	30390440
10 lb-.001 lb	30390439
5 lb-.001 lb	30390429
5 lb-.001 lb	30390431
5 lb-1/32 oz	30390432
5 lb-.05 oz	30390430
5 lb-1/32 oz	30390443
4 oz-1/32 oz	30390435
.2 lb-.001 lb	30390437

NVLAP Certificate	
Model	Item No.
5000 g-1 mg	30390515
5000 g-1 mg	30390509
5000 g-1 g	30390517
5000 g-1 g	30390511
2000 g-1 mg	30390518
2000 g-1 g	30390520
2000 g-10 mg	30390519
2000 g-1 mg	30390512
1000 g-1 g	30390523
500 g-1 g	30390526
100 g-1 mg	30390527
50 g-1 g	30390532
50 g-10 mg	30390531
10 lb-1/32 oz	30390496
10 lb-.001 lb	30390495
5 lb-.001 lb	30390485
5 lb-.001 lb	30390487
5 lb-1/32 oz	30390488
5 lb-.05 oz	30390486
5 lb-1/32 oz	30390499
4 oz-1/32 oz	30390491
.2 lb-.001 lb	30390493

Printers

SF40A

OHAUS Value in a Full-Featured, Portable Printer

- The statistics and totalization modes and real time clock complement OHAUS weighing instruments' application modes and offer functionality that assists the reporting processes.
- SF40A helps support the efficiency of the weighing and recording processes. RS232 interface and PC configuration software make setting up and using the printer fast and simple.
- With the ability to print in 13 different languages, SF40A can print in the language of the connected device to support universal operation.



Model	Item No.
SF40A	30064203

STP103

Economical Palm-Sized Thermal Printer

- This ultra compact printer has a very small footprint and also features very low power consumption, requiring limited resources from your workspace.
- The extremely fast STP103 offers 42 column printing at a speed of approximately 11.8 lines per second.
- Loading paper into the printer is quick and easy and when the paper becomes low, the printer will suspend printing in order to prevent printing errors resulting from lack of paper.



Model	Item No.
Printer, Thermal, STP103, 120vac US	80251992



OHAUS® 110 ¹⁹⁰⁷/₂₀₁₇



OHAUS Corporation Celebrates 110th Anniversary

In 1907, Gustav Ohaus opened his doors in Newark, NJ, as a burgeoning scale repair business. 11 decades later, and in keeping with our philosophy of constant improvement, 2017 ushers in the 110th anniversary of OHAUS, marking the extraordinary growth of the OHAUS Corporation from a small, family-run business into the leading global powerhouse in the weighing industry and beyond.

OHAUS Corporation

Headquartered in Parsippany, NJ, OHAUS Corporation manufactures an extensive line of high-precision electronic and mechanical balances and scales that meet the weighing needs of virtually every industry. We are a global leader in the laboratory, industrial, and education channels as well as a host of specialty markets, including the food preparation, pharmacy and jewelry industries. An ISO 9001:2008 manufacturer, OHAUS products are precise, reliable and affordable, and are backed by industry-leading customer support. For additional information, contact OHAUS Corporation at 1.973.377.9000, or visit www.ohaus.com.

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