



Laboratory
Weighing and Measurement



OHAUS® I10 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 weighing industry and beyond, building and maintaining a reputation for providing the laboratory weighing industry 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 balances suited to a wide range of industries and applications, the OHAUS name is synonymous with accuracy, durability, and dependability.



OHAUS offers a full line of balances designed for laboratory applications, including the sophisticated MB90 and MB120 moisture analyzers, designed to streamline your moisture analysis needs. With a built-in temperature guide, halogen heating for uniform drying, and a bright, color touchscreen, the MB90 and MB120 offer advanced functionality, unrivaled precision, and superior ease of use.

We've also introduced the brand-new ST3100M, our first-ever multi-parameter water quality analysis bench meter. Offering features like an attached Quick Guide for easy reference, varied connectivity options, and a large data results storage library, the ST3100M can handle your most complex water quality analysis needs with ease.

From our powerhouse flagship Explorer balance to our rugged and practical Pioneer, OHAUS has a wide variety of semi-micro, analytical, high-capacity, and moisture balances that are ideal for use in almost every area of your laboratory.

Contents

Analytical & Precision Balances

Explorer® Semi-Micro Balances	1
Explorer® Analytical	2
Explorer® Precision	3
Explorer® Precision High Capacity	5
Adventurer® Analytical	6
Adventurer® Precision	7
Pioneer® Analytical	9
Pioneer® Precision	10

Portable Balances

Scout® STX	11
Scout® SPX	12
Navigator® NV	13
Navigator® XT	14
Navigator® XL	15
CS Series	16
CL Series	17
HH Series	17

Moisture Analyzers

MB120	18
MB90	19
MB27	20
MB23	21

Centrifuge

Frontier™ 5000 Series Mini	22
----------------------------------	----

pH/ORP/Conductivity/

DO Measurement

Starter 5000 pH Bench	23
Starter 3100M Bench	24
Starter 3100 pH Bench	25
Starter 3100C Conductivity Bench	26
Starter 2100 pH Bench	27
Starter 300 pH Portable	28
Starter 300C Conductivity Portable	29
Starter 300D DO Portable	30
Starter 400D DO Portable	31
Starter Pen Meters	32
Starter Electrodes	34

Mechanical Scales & Balances

Triple Beam Pro®	35
Triple Beam 700 Series	36
Harvard Trip®	37

Weights & Weight Sets Overview	38
--------------------------------------	----

ASTM Weights & Weight Sets	39
----------------------------------	----

OIML Weights & Weight Sets	51
----------------------------------	----

NIST Weights & Weight Sets	59
----------------------------------	----

Printers	63
----------------	----

Analytical & Precision 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

Analytical & Precision 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

Analytical & Precision 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	

Analytical & Precision 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

Analytical & Precision 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

Analytical & Precision Balances

Adventurer® Analytical

Ready For Your Lab, Wherever That May Be

- Fast stabilization and reliable operation are enhanced by the AutoCal™ option to ensure solid weighing performance and accurate, repeatable results for standard laboratory applications.
- The wide viewing angle color touchscreen provides access to all of Adventurer's applications, while dual USB ports with GLP/GMP tracking capabilities assist in the monitoring and reporting of data.
- The two piece, top-mounted draftshield doors reduce the footprint of the doors in the rear of the balance when open, and open wide on both sides in order to provide ample room to place samples.



Model	Auto-Cal™	Capacity	Readability	Certified Readability	Pan Size	Item No.
AX124	•	120 g	0.1 mg	—	Ø 3.5 in / Ø 90 mm	30100600
AX124/E						30100601
AX224	•	220 g				30100602
AX224/E						30100603
AX324	•	320 g				30100604

Approved Model	Auto-Cal™	Capacity	Readability	Certified Readability	Pan Size	Item No.
AX224N	•	220 g	0.1 mg	1 mg	Ø 3.5 in / Ø 90 mm	30100630

Accessories	Item No.
Ink Ribbon, SF40A SF42A	12120798
Paper Roll, Set (2), 57.5 mm, SF40A	12120799
Cable, RS9 M/F, 1.5 m	12122603
Printer, Impact, SF40A, AM	30064203
Dust Cover, Balance with Draft Shield	30093334
SP In-Use-Cover wo DS AX	30111777
SP In-Use-Cover DS AX	30111792
Auxiliary Display, PAD7, PA AX EX	80251396
Paper Roll, (1), Thermal, STP103	80251931
Printer, Thermal, STP-103, US	80251992
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
Anti-Theft Device, MB AX EX	80850043
Cable, USB, Type A-B	83021085

Analytical & Precision Balances

Adventurer® Precision

Ready For Your Lab, Wherever That May Be

- Fast stabilization and reliable operation are enhanced by the AutoCal™ option to ensure solid weighing performance and accurate, repeatable results for standard laboratory applications.
- The wide viewing angle color touchscreen provides access to all of Adventurer's applications, while dual USB ports with GLP/GMP tracking capabilities assist in the monitoring and reporting of data.
- The 1 mg models have a two piece, top-mounted draftshield with doors that open wide, providing ample room for sample placement, while the 0.01 g and 0.1 g models feature large weighing pans.



Model	Auto-Cal™	Draft Shield	Capacity	Readability	Certified Readability	Pan Size	Item No.
AX223	•	•	220 g	1 mg	—	Ø 5.1 in / Ø 130 mm	30100605
AX223/E							30100606
AX423	•		420 g				30100607
AX423/E							30100608
AX523	•		520 g				30100609
AX523/E							30100610
AX622	•	•	620 g	0.01 g	—	7.7 in x 6.9 in / 195 mm x 175 mm	30122632
AX422/E			420 g				30127981
AX822/E			820 g				30127983
AX1502	•		1520 g				30100611
AX1502/E							30100612
AX2202	•		2200 g				30100613
AX2202/E							30100614
AX4202	•		4200 g				30100615
AX4202/E							30100616
AX5202	•		5200 g				30100617
AX2201/E			2200 g				30248912
AX4201	•		4200 g				30122634
AX4201/E							30122635
AX8201	•		8200 g				30100618
AX8201/E							30100619

Analytical & Precision Balances

Adventurer® Precision

Ready For Your Lab, Wherever That May Be

Approved Model	Auto-Cal™	Draft Shield	Capacity	Readability	Certified Readability	Pan Size	Item No.
AX223N/E		•	220 g	1 mg	0.01 g	Ø 5.1 in / Ø 130 mm	30100631
AX423N	•		420 g				30100632
AX423N/E			520 g				30100633
AX523N/E			620 g				30100634
AX622N/E			1520 g	0.01 g	0.1 g	7.7 in x 6.9 in / 195 mm x 175 mm	30100635
AX1502N/E			2200 g				30100636
AX2202N/E			4200 g				30100637
AX4202N/E			8200 g				30122655
AX8201N/E				0.1 g	1 g		30100639

Accessories	Item No.
Ink Ribbon, SF40A SF42A	12120798
Paper Roll, Set (2), 57.5 mm, SF40A	12120799
Cable, RS9 M/F, 1.5 m	12122603
Printer, Impact, SF40A, AM	30064203
Dust Cover, Balance with Draft Shield	30093334
SP In-Use-Cover wo DS AX	30111777
SP In-Use-Cover DS AX	30111792
Auxiliary Display, PAD7, PA AX EX	80251396
Paper Roll, (1), Thermal, STP103	80251931
Printer, Thermal, STP-103, US	80251992
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
Anti-Theft Device, MB AX EX	80850043
Cable, USB, Type A-B	83021085

Analytical & Precision Balances

Pioneer® Analytical

The Economical Choice for Everyday Weighing

- Pioneer's draftshield is constructed of all glass panels and three sliding doors, which are easy to remove for cleaning or storage.
- The up-front level indicator is located right next to the display and allows the user to quickly make sure the balance is level prior to each use.
- Pioneer is designed with selectable environmental settings and three filter modes in order to ensure accurate operation in a variety of settings.



Model	InCal™	Capacity	Readability	Pan Size	Item No.
PA84		85 g	0.1 mg	Ø 3.5 in / Ø 90 mm	30208440
PA84C	•				30208454
PA124		120 g			30208441
PA124C	•				30208455
PA224		220 g			30208442
PA224C	•				30208456

Accessories	Item No.
Ink Ribbon, SF40A SF42A	12120798
Paper Roll, Set (2), 57.5 mm, SF40A	12120799
Cable, RS9 M/F, 1.5 m	12122603
Printer, Impact, SF40A, AM	30064203
Dust Cover, Balance with Draft Shield	30093334
Auxiliary Display, PAD7, PA AX EX	80251396
Paper Roll, (1), Thermal, STP103	80251931
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
Software, Winwedge	80850080
In-Use-Cover, PA	83020221

Analytical & Precision Balances

Pioneer® Precision

The Economical Choice for Everyday Weighing

- Pioneer's compact design and small footprint allows the balance to easily fit into small areas of laboratory benches without overcrowding the workspace.
- The up-front level indicator is located right next to the display and allows the user to quickly make sure the balance is level prior to each use.
- Pioneer is designed with selectable environmental settings and three filter modes in order to ensure accurate operation in a variety of settings.



Model	InCal™	Draft Shield	Capacity	Readability	Pan Size	Item No.	
PA163		•	162 g	1 mg	Ø 4.7 in / Ø 120 mm	30208443	
PA163C	•					30208457	
PA323			320 g			30208444	
PA323C	•					30208458	
PA523			520 g			30208445	
PA523C	•					30208459	
PA1602		•	1620 g	0.01 g	Ø 7 in / Ø 180 mm	30208446	
PA1602C	•					30208460	
PA2202			2200 g			30208447	
PA2202C	•					30208461	
PA2201			0.1 g	30208450			
PA2201C	•			30208464			
PA3202			3200 g	0.01 g		30208448	
PA3202C	•					30208462	
PA4202			4200 g			30208449	
PA4202C	•					30208463	
PA4201			0.1 g			30208453	
PA4201C	•					30208465	

Accessories	Item No.
Ink Ribbon, SF40A SF42A	12120798
Paper Roll, Set (2), 57.5 mm, SF40A	12120799
Cable, RS9 M/F, 1.5 m	12122603
Printer, Impact, SF40A, AM	30064203
Dust Cover, Balance with Draft Shield	30093334
Auxiliary Display, PAD7, PA AX EX	80251396
Paper Roll, (1), Thermal, STP103	80251931
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
Software, Winwedge	80850080
In-Use-Cover, PA	83020221

Portable Balances

Scout® STX Touchscreen

Setting New Standards in Laboratory & Industrial Weighing - The Next Generation of Scout Balances

- Large, resilient color touchscreen allows for effortless operation of the Scout through its informative icon-driven menu structure, guiding the user through every step of the weighing application.
- Stabilization time as fast as 1 sec means increased productivity in your facility. Equipped with advanced weighing technology, the Scout also ensures repeatable and reliable weighing results.
- Integrated superior overload protection system rated at 10 times the capacity protects the balance in rugged and demanding environments. The space-saving, slim design allows for stackable storage.



Model	Capacity	Readability	Pan Size	Item No.
STX123	120 g	0.001 g	Ø 3.7 in / Ø 93 mm	30253005
STX223	220 g			30253006
STX222	220 g			30253007
STX422	420 g	0.01 g	Ø 4.7 in / Ø 120 mm	30253008
STX622	620 g			30253009
STX1202	1200 g			30253010
STX2202	2200 g			30253011
STX421	420 g	0.1 g	Ø 4.7 in / Ø 120 mm	30253012
STX621	620 g			30253013
STX2201	2200 g			30253014
STX6201	6200 g			30253015
STX8200	8200 g	1 g	5.5 in x 6.7 in / 140 mm x 170 mm	30253016

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
RS232 Kit, STX SPX ST3100M	30268982
USB Kit, Host, STX SPX	30268983
USB Kit, Device, STX SPX ST3100M	30268984
Bluetooth Kit, STX SPX	30268985
Ethernet Kit, STX SPX	30268986
Stacking & Storage Cover, x6, STX SPX	30268987
Stacking & Storage Cover, x1, STX SPX	30268988
Auxiliary Display Kit, STX SPX	30269019
Density Kit, STX	30269020
Anti-Theft Device, MB AX EX STX SPX	80850043
Carrying Case, Scout	30269021

Portable Balances

Scout® SPX

Setting New Standards in Laboratory & Industrial Weighing - The Next Generation of Scout Balances

- Combined with a simplified 4 button operation, the Scout's large backlit display increases readability in low light working conditions, and is easier to view from a distance.
- Integrated superior overload protection and impact-resistant pan support safeguard against shock and overloading the balance in rugged and demanding environments.
- Stabilization time as fast as 1 sec and advanced weighing technology lead to improved productivity in your facility. Increased capacity unlocks a wider range of weighing applications.



Model	Capacity	Readability	Pan Size	Item No.
SPX123	120 g	0.001 g	Ø 3.7 in / Ø 93 mm	30253017
SPX223	220 g			30253018
SPX222	220 g	0.01 g	Ø 4.7 in / Ø 120 mm	30253019
SPX422	420 g			30253020
SPX622	620 g			30253021
SPX1202	1200 g		5.5 in x 6.7 in / 140 mm x 170 mm	30253022
SPX2202	2200 g			30253023
SPX421	420 g	0.1 g	Ø 4.7 in / Ø 120 mm	30253024
SPX621	620 g		5.5 in x 6.7 in / 140 mm x 170 mm	30253025
SPX2201	2200 g			30253026
SPX6201	6200 g			30253027
SPX8200	8200 g	1 g	5.5 in x 6.7 in / 140 mm x 170 mm	30253028

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
RS232 Kit, STX SPX ST3100M	30268982
USB Kit, Host, STX SPX	30268983
USB Kit, Device, STX SPX ST3100M	30268984
Bluetooth Kit, STX SPX	30268985
Ethernet Kit, STX SPX	30268986
Stacking & Storage Cover, x6, STX SPX	30268987
Stacking & Storage Cover, x1, STX SPX	30268988
Auxiliary Display Kit, Scout STX, SPX	30269019
Density Kit, STX	30269020
Anti-Theft Device, MB AX EX STX SPX	80850043
Carrying Case, Scout	30269021

Portable Balances

Navigator® NV

Multi-Purpose Balances with Touchless Sensors that Power Hands-Free Operation

- Operate the balance with the two touchless sensors that free up your hands for the handling of samples while limiting keypad wear and tear and cross-contamination.
- Navigator NV stabilizes in less than one second to provide fast and accurate weighing results while improving operator efficiency, productivity and throughput.
- The superior mechanical overload protection system safeguards the balance from sustaining damage when loads of up to 400% of its rated capacity are placed on the pan.



Model	Capacity	Readability	Pan Size	Item No.
NV212	210 g	0.01 g	Ø 4.7 in / Ø 120 mm	83033081
NV211		0.1 g		30135291
NV511	510 g	0.1 g	5.4 in x 7.5 in / 138 mm x 190 mm	83033083
NV1101	1100 g	0.1 g		83033085
NV2101	2100 g	0.1 g		83033087
NV4101	4100 g	0.2 g		83033089
NV5101	5100 g	0.5 g		83033091
NV4000	4000 g	1 g		30135292

Accessories	Item No.
Cable, PC, 9 Pin, NV AV	12106964
Auxiliary Display, TAD7, SP SPJ TA TAJ	80251395
Printer, Thermal, STP-103, US	80251992
Anti-Theft Device, SP PA AV NV	80850000
Software, Winwedge	80850080
RS232 Kit, SP TA Navigator	83032107
USB Kit, SP TA NV NVL NVT	83032108
Ethernet Kit, NV NVL NVT	83032109
In-Use-Cover, NV	83032223
Carrying Case, NV	83032226

Portable Balances

Navigator® XT

High-Capacity Balances with Touchless Sensors that Power Hands-Free Operation

- The legal-for-trade Navigator XT stabilizes in under a second and can accommodate samples up to 16 kg on its large weighing pan.
- Operate the balance with the two touchless sensors that free up your hands for the handling of samples while limiting keypad wear and tear.
- The mechanical overload protection system safeguards the balance from damage when loads of up to 400% of its rated capacity are placed on the pan.



Model	Capacity	Readability	Certified Readability	Pan Size	Item No.
NVT1601/1	3.2 lb / 1600 g	0.0002 lb / 0.1 g	—	6.9 in x 9 in / 174 mm x 230 mm	83998182
NVT3201/1	6.4 lb / 3200 g	0.0005 lb / 0.2 g			83998186
NVT6401/1	16 lb / 6400 g	0.001 lb / 0.5 g			83998190
NVT10001/1	22 lb / 10000 g	0.002 lb / 0.5 g			83998194
NVT16000/1	32 lb / 16000 g	0.002 lb / 1 g			83998198

Approved Model	Capacity	Readability	Certified Readability	Pan Size	Item No.
NVT1601N/1	3.2 lb / 1600 g	0.001 lb / 0.5 g	0.001 lb / 0.5 g	6.9 in x 9 in / 174 mm x 230 mm	83034112
NVT3200N/1	6.4 lb / 3200 g	0.002 lb / 1 g	0.002 lb / 1 g		83034116
NVT6400N/1	16 lb / 6400 g	0.005 lb / 2 g	0.005 lb / 2 g		83034120
NVT16000N/1	32 lb / 16000 g	0.01 lb / 5 g	0.01 lb / 5 g		83034124

Accessories	Item No.
Cable, PC, 9 Pin, NV AV	12106964
Auxiliary Display, TAD7, SP SPJ TA TAJ	80251395
Printer, Thermal, STP-103, US	80251992
Anti-Theft Device, SP PA AV NV	80850000
Software, Winwedge	80850080
Rechargeable Battery, NVL NVT	83032106
RS232 Kit, SP TA Navigator	83032107
USB Kit, SP TA NV NVL NVT	83032108
Ethernet Kit, NV NVL NVT	83032109
In-Use-Cover, NVT	83032221
Carrying Case, NVT	83032224

Portable Balances

Navigator® XL

High-Capacity Balances with Touchless Sensors that Power Hands-Free Operation

- With less than a one second stabilization time, Navigator XL generates exceedingly accurate results quickly for applications requiring capacities up to 20 kg.
- Operate the balance with the two touchless sensors that free up your hands for the handling of samples while limiting keypad wear and tear.
- The superior mechanical overload protection system safeguards the balance from sustaining damage when loads of up to 400% of its rated capacity are placed on the pan.



Model	Capacity	Readability	Pan Size	Item No.
NVL511/1	510 g	0.1 g	7.6 in x 8 in / 194 mm x 203 mm	83033058
NVL1101/1	1100 g			83033062
NVL2101/1	2100 g			83033066
NVL5101/1	5100 g	0.5 g		83033070
NVL10000/1	10000 g	1 g		83033074
NVL20000/1	20000 g			83033078

Accessories	Item No.
Cable, PC, 9 Pin, NV AV	12106964
Auxiliary Display, TAD7, SP SPJ TA TAJ	80251395
Printer, Thermal, STP-103, US	80251992
Anti-Theft Device, SP PA AV NV	80850000
Software, Winwedge	80850080
Rechargeable Battery, NVL NVT	83032106
RS232 Kit, SP TA Navigator	83032107
USB Kit, SP TA NV NVL NVT	83032108
Ethernet Kit, NV NVL NVT	83032109
In-Use-Cover, NVL	83032222
Carrying Case, NVL	83032225

Portable Balances

CS Series

When Cost Matters But Dependable Results Are A Must

- The large weighing platform can accommodate larger samples and can also be removed for easy cleaning.
- Radio frequency protection allows the CS to deliver stable results even when used in areas in which radio waves may be emitted.
- The low profile CS is battery operated or can be powered by a standard AC adapter.



Model	Capacity	Readability	Pan Size	Item No.
CS200	200 g	0.1 g	5.75 in x 5.25 in / 145 mm x 133 mm	72212663
CS2000	2000 g	1 g		72212664
CS5000	5000 g			72212665

Model	Capacity	Readability	Pan Size	Item No.
CS200P	200 g	0.1 g	5.75 in x 5.25 in / 145 mm x 133 mm	80500633
CS2000P	2000 g	1 g		80500634
CS5000P	5000 g			80500635

“P” models include Postal Chart

Accessories	Item No.
Carrying Case, CS	80010624
Bowl, 1050 ml, CS	80850075
Pan Cover, SST, CS	80850076
PWR,ACCES,AC-PRONG	46001776
PWR,W,IN,6W,12VDC,S21x55x9x100,S	46001724

Portable Balances

CL Series

Reliable, Easy-to-Use Balance for Basic Weighing

- The low profile CL has a stackable design which allows the balance to be stored securely and orderly.
- The integrated load cell lock protects the weighing cell from damage during transportation and while in storage.
- The CL is battery operated and automatically shuts off after a certain period of non-use to preserve battery life.



Model	Capacity	Readability	Pan Size	Item No.
CL201	200 g	0.1 g	Ø 4.75 in / Ø 120 mm	80010610
CL2000	2000 g	1 g		80010611
CL5000	5000 g			80010612
CL5000F				80010621

"F" model includes carrying case

Accessories	Item No.
PWR,ACCES,AC-PRONG	46001776
PWR,W,IN,6W,12VDC,S21x55x9x100,S	46001724
Pan Cover, SST, CL	80010623

HH Series

Convenient, Compact and Portable Weighing in a Functional Design

- HH is available in capacities ranging from 120 g to 320 g and is ideal for a variety of general, on-the-go weighing applications for many industries.
- A backlit display illuminates the screen for viewing in dim lighting conditions, and a power-saving automatic shut-off feature conserves battery life.
- Among HH's protective features are durable ABS housing and a snap-on cover for protection during storage and transportation.



Model	Capacity	Readability	Pan Size	Item No.
HH120	120 g	0.1 g	3.25 in x 3 in / 83 mm x 76 mm	71142842
HH120D	60 g / 120 g	0.2 g		71142841
HH320	320 g	0.1 g		71142844

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.



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.



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

Centrifuge

Frontier™ 5000 Series Mini

Powerful and Convenient Mini Centrifuge for Simple and Quick Life Science Separation Applications

- With a low voltage power input, quiet brushless motor and a rubber base that absorbs vibrations, Frontier 5306 minimizes operational noise and reduces disruptions in the laboratory.
- Frontier 5306 is designed with operator safety in mind, and includes a rotor imbalance sensor and two safety switches which immediately stop the rotors should the lid open during use.
- Frontier 5306 takes simple one-step operation to a new level. Simply place your sample in the centrifuge, close the lid, and it will begin to rotate without the press of a button.



Two rotors and adapters are included

Model	Maximum Speed	Max g-force	Capacity	Item No.
FC5306	6,000 rpm	2,000 g	8 x 1.5 ml / 2.0 ml; 4 x 8 place PCR Strips	30134157

Accessories	Item No.
Rotor, 1.5/2ml x8, FC5306	30129559
Rotor, 0.2ml PCR8 x4, FC5306	30129560
Adapter for 0.2 ml Tube (8PCS/Package)	30129561
Adapter for 0.5 ml Tube (8PCS/Package)	30129562

pH/ORP/Conductivity/DO Measurement

Starter 5000 pH Bench

High Performance Bench Meter for Universal pH Applications

- Starter 5000's performance is propelled by a 1000 item library, 10 sensors for calibration storage, 8 predefined and 1 self-defined buffer groups, 3 endpoint modes and meets GLP/GLM requirements.
- The color touchscreen operates similar to smartphones and tablets, and provides simple operation of advanced features such as one-touch toggling of measurement modes.
- With a standalone electrode holder, USB port, IP54 housing and in-use-cover, Starter 5000 provides the flexibility and protection that ensures smooth and enduring operation.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST5000-B	—	-2.00 to 20.00 pH	0.001 pH	30129895
ST5000-F	ST350 (Included)			30129896

Accessories	Item No.
ORP electrode STORP2	30038553
ORP electrode STORP1	30038555
Holder, Stand Alone, Electrode	30058733
Adapter, 9 Pin-9 Pin, PC-SF40A	30059316
Printer, Impact, SF40A, AM	30064203
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
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

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO 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 µS/cm - 19.99 mS/cm	0.01 pH; 0.01 µS/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 10µS/cm 250 ml	30100441
Standard Conduct 84µS/cm 250 ml	30100442
Standard Conduct 1413µS/cm 250 ml	30100443
Standard Conduct 12.88mS/cm 250 ml	30100444
STCON7	30080693

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO Measurement

Starter 3100 pH Bench

Smart pH Bench Meter for Standard Laboratory Applications

- Starter 3100's intuitive software includes three point calibration, three buffer groups, automatic and manual endpoint functions, as well as a 99 item library.
- Among Starter 3100's user-friendly features that support ease-of-use are an adjustable standalone electrode holder and large backlit LCD display.
- Documenting measurement data is made simple through the RS232 which can be used to connect peripheral devices such as printers or computers to the meter.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST3100-B	—	-2.00 to 16.00 pH	0.01 pH	30057497
ST3100-F	ST310 (Included)			30058489

Accessories	Item No.
ORP electrode STORP2	30038553
ORP electrode STORP1	30038555
Holder, Stand Alone, Electrode	30058733
Adapter, 9 Pin-9 Pin, PC-SF40A	30059316
Printer, Impact, SF40A, AM	30064203
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
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

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO Measurement

Starter 3100C Conductivity Bench

Smart Conductivity Bench Meter for Standard Laboratory Applications

- Starter 3100C's intuitive software includes four calibration points, automatic and manual endpoint functions, and one touch conversion between measurement modes.
- Among Starter 3100C's user-friendly features that support ease-of-use are an adjustable standalone electrode holder and large backlit LCD display.
- Documenting measurement data is made simple through the RS232 which can be used to connect peripheral devices such as printers or computers to the meter.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST3100C-B	—	00.0 $\mu\text{S}/\text{cm}$ to 199.9 mS/cm	0.01 $\mu\text{S}/\text{cm}$	30058730
ST3100C-F	STCON3 (Included)			30058731

Accessories	Item No.
Holder, Stand Alone, Electrode	30058733
In-Use-Cover, STARTER	30058734
Printer, Impact, SF40A, AM	30064203
Standard Conduct 10 $\mu\text{S}/\text{cm}$ 250 ml	30100441
Standard Conduct 84 $\mu\text{S}/\text{cm}$ 250 ml	30100442
Standard Conduct 1413 $\mu\text{S}/\text{cm}$ 250 ml	30100443
Standard Conduct 12.88 mS/cm 250 ml	30100444
STCON7	30080693

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO 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 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO 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 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO 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 $\mu\text{S}/\text{cm}$ 250 ml	30100441
Standard Conduct 84 $\mu\text{S}/\text{cm}$ 250 ml	30100442
Standard Conduct 1413 $\mu\text{S}/\text{cm}$ 250 ml	30100443
Standard Conduct 12.88 mS/cm 250 ml	30100444
Seal kit, STARTER portables	83032962
STCON7	30080693

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO Measurement

Starter 300D DO Portable

Convenient Portable Dissolved Oxygen Meter for Wherever Your Work Takes You

- The galvanic electrode can be used immediately after being powered on without the wait time typically associated with dissolved oxygen meters.
- With a simple calibration process, quick delivery of measurements and automatic temperature compensation, Starter 300D is both easy-to-use and accurate.
- 30 measurement storage endpoints allow the user to easily recall the last calibration data and stored information with one quick touch.



ST300D-G

Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST300D	STDO11 (Included); STTEMP30 (Included)	0.00 to 19.99; 20.0 to 45.0 mg/L	0.01 mg/L; 0.1 mg/L	30031655
ST300D-B	—			30031656
ST300D-G	STDO11 (Included); STTEMP30 (Included)			30219116

Accessories	Item No.
Portable Bag STARTER	30031635
DO electrode STDO11	30031639
Zero Oxygen Chemicals, STARTER	30059257
Seal kit, STARTER portables	83032962

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO Measurement

Starter 400D DO Portable

Dissolved Oxygen (DO) Meter with Optical Technology

- Optical DO Probe allows for minimal maintenance and permits for immediate measurement reading without the need for warm up time or any sample preparation.
- Large bright backlit LCD screen provides easy to read results even in low light areas, while 5 dedicated manual keys deliver simple, straightforward operation for all operators via a simple calibration process and accurate measurements.
- With a meter stand, wrist strap for secure field use and IP54 housing, Starter 400D is durable and prepared for versatile use.



Model	Electrode	Measurement Range	Measurement Resolution	Item No.
ST400D-G	STDO21 (Included)	0.0 to 200.0%	0.1% ; 0.01 mg/L; 0.1 °C	30208726
ST400D-F		0.00 to 20.0 mg/L (p-pm)		30208727
ST400D-B	—	0 to 50 °C		30271216

Accessories	Item No.
Seal kit, STARTER portables	83032962
Zero Oxygen Chemicals, STARTER	30059257
DO electrode STDO21	30219117
DO Probe Cap, STD021	30253566

See page 34 for additional Starter Series Electrodes

pH/ORP/Conductivity/DO 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.
ST10	pH	0.00 – 14 pH	0.1 pH	Not Available	30073970
ST20		0.00 – 14 pH	0.01 pH	Yes	30073971
ST10C-A	Conductivity	0.00 – 199.9 µs/cm	0.1 µs/cm	Not Available	30073972
ST10C-B		0 – 1999 µs/cm	1 µs/cm		30073973
ST10C-C		0.00 – 19.99 ms/cm	10 µs/cm		30073974
ST20C-A		0.00 – 199.9 µs/cm	0.1 µs/cm	Yes	30073975
ST20C-B		0 – 1999 µs/cm	1 µs/cm		30073976
ST20C-C		0.00 – 19.99 ms/cm	10 µs/cm		30073977
ST10T-A	TDS	0.0 – 100.0 mg/L	0.1 mg/L	Not Available	30073978
ST10T-B		0.0 – 1000 mg/L	1 mg/L		30073979
ST20T-A		0.0 – 100.0 mg/L	0.1 mg/L	Yes	30073980
ST20T-B		0.0 – 1000 mg/L	1 mg/L		30073981
ST10S	Salinity	0.0 – 10.0 ppt	0.1 ppt	Not Available	30073982
ST20S		0.0 – 80.0 ppt		Yes	30073983
ST10R	ORP	-1000 – 1000 mV	1 mV	Not Available	30073984
ST20R		-1000 – 1000 mV		Yes	30073985
ST20D	Dissolved Oxygen	0.0 – 80.0 ppt	0.1 mg/L	Yes	30073986

pH/ORP/Conductivity/DO 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
Replacement 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 84 μ S/cm 250 ml	30100442	17
Standard Conduct 1413 μ S/cm 250 ml	30100443	17
Standard Conduct 12.88mS/cm 250 ml	30100444	17
Membrane Kit Replaceable, ST20D	30222084	85

pH/ORP/Conductivity/DO 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			0.00 – 14 pH		83033966
ST310		Plastic	0.00 – 14 pH	•	83033965
ST320			0.00 – 14 pH	•	83033967
STSURF			2.00 - 12.00 pH		30129470
STCON3			3 µS/cm – 200 mS/cm	•	83033972
STCON7	Conductivity	0.02 µS/cm -200 µS/cm	•	30080693	
STDO11		DO	1 – 200%		30031639
STDO21	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

Mechanical Scales & Balances

Triple Beam Pro®

Best-in-Class Mechanical Balance

- The unique, easy-grip carrying handle is ergonomically designed to allow for effortless movement around the classroom.
- A convenient compartment provides a place to store the weight set when not in use, preventing the weights from becoming lost.
- Prevent theft and accidental dropping by securing the balance to a desk or bench top with the security loop or Kensington-type lock (sold separately).



Model	Capacity	Readability	Pan Size	Item No.
TP2611 with Rod and Clamp	2610 g	0.1 g	5.8 in x 5.8 in / 147 mm x 147 mm	80621692

Accessories	Item No.
Kit, Rod and Clamp	80780011
Dust Cover, Triple Beam	80780017
Weight Set, 2 x 1 kg, 1 x 500 g	80780108
Anti-Theft Device, SP PA AV NV	80850000

Mechanical Scales & Balances

Triple Beam 700 Series

The Standard by Which All Other Mechanical Balances Are Measured

- Superior magnetic damping provides stable results three times faster than any other three-beam balance on the market.
- Five weighing pans of different sizes and designs can accommodate materials for a variety of weighing applications.
- A counterbalancing knob provides quick zeroing of the balance while a self-aligning beam helps ensure accurate results.



Model	Tare Beam	Capacity	Readability	Pan Size	Pan Height	Pan Type	Item No.
720-00		610 g	0.1 g	12 in x 6 in / 30.5 mm x 152 mm	2.75 in / 70 mm	Polypropylene Scoop	80000032
720-50				12 in x 7.4 in / 305 mm x 188 mm	1.7 in / 43 mm	Stainless Steel Scoop	80000033
710-00				Ø 6 in / Ø 152 mm	—	Removable Pan	80000011
750-50						Fixed Pan	80000012
760-00	•						80000013
710-T0	•					Removable Pan	80000031
730-00				Ø 9 in / Ø 229 mm	6 in / 152 mm	Animal Container	80000034

Accessories	Item No.
Subject Box	80000053
Scoop and Counter Weight	80780001
Scoop, PP, 0.8 l	80780006
Kit, Rod and Clamp	80780011
Scoop and Counter Weight, Poly	80780014
Scoop and Counter Weight, SST	80780015
Scoop and Counter Weight, 1.75 l	80780016
Dust Cover, Triple Beam	80780017
Weight Set, 2 x 1 kg, 1 x 500 g	80780108
Anti-Theft Device, SP PA AV NV	80850000
Clamp, Gas Cylinder	80850312

Mechanical Scales & Balances

Harvard Trip®

Two Pan Balance Designed for Comparative Weighing

- The built-in sliding masses make weighing very simple and quick.
- Magnetic damping minimizes oscillation and helps speed up weighing.
- A counterbalancing knob provides quick zeroing of the balance while floating agate bearings help ensure accurate results.



Model	Capacity	Readability	Beams	Pan Size	Item No.
1450-SD	2000 g	0.1 g	Singe Beam	Ø 6.2 in / Ø 152 mm	80000003
1550-SD			2 Beams		80000004
1560-SD			2 Beams and Tare Beam		80000005

Accessories	Item No.
Scoop, PP, 0.8 l	80780006
Kit, Rod and Clamp	80780011
Scoop and Counter Weight, Poly	80780014
Scoop and Counter Weight, SST	80780015
Scoop and Counter Weight, 1.75 l	80780016
Anti-Theft Device, SP PA AV NV	80850000
Weight Set, 1 kg-1 g, ASTM 6, CYL	80850115
Dust Cover, Storage, Harvard	80850262

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 kg	80780428
5 kg - 1 g	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 kg	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 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

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.

OHAUS CORPORATION
* 7 Campus Drive
Suite 310
Parsippany, NJ 07054 USA

Tel: 800.672.7722
973.377.9000
Fax: 973.944.7177
www.ohaus.com

*With offices throughout
Europe, Asia, and
Latin America*

***ISO 9001:2008**
Registered Quality
Management System