



2016-2017 Laboratory Products

High Performance Balances and Scales



Ingeniously Practical

Asia Pacific



Headquartered in Parsippany, NJ. For more than a century, the OHAUS name has been synonymous with high-quality, durable and reliable mechanical and electronic balances, scales and moisture analyzers that meet the weighing needs of virtually every industry. Our global and long-standing success can be attributed to our unwavering commitment to offering a wide range of products that are efficient and simple to use.

ABOUT OHAUS

Our ingeniously practical methodology, seen in all of our products and services, provides real-world benefits that improve the accuracy and quality of our customers' work.

Four principles lead us to fulfill our commitment to meeting our customers' expectations and achieve excellence in every aspect of our business.

Our rich heritage and history, industry leadership, product portfolio, as well as service and support are the qualities that drive us to meet our goals and achieve the highest level of performance. These principles, The OHAUS Advantage, guide our operation and propel us to offer our customers a level of quality that is second-to-none.

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Analytical

Explorer® Semi-Micro

Built for Sophisticated, Professional Weighing



- 0.01mg Readability
- 220g Capacity
- Ultra-Fast Stabilization Time
- Full-Color Touchscreen
- Automatic Draftshield Doors*
- Built-In Ionizer*
- 4 Programmable Touchless Sensors
- AutoCal™ Internal Calibration
- USB and RS232 Connectivity
- Audible Stability Alert
- Library Function
- Modular Design

With unmatched weighing performance, intuitive software, and a full-color touchscreen. Eliminate static electricity with the built-in ionizer and automatically open the draftshield doors with any of the four touchless sensors! Ensure the best weighing results with AutoCal™ internal calibration and an audible stability alert. Conveniently fit the balance in the lab with a detachable display. Extreme durability is supported by the glass and steel construction and advanced connectivity is available through the RS232 and USB ports.



Automatically open side draftshield doors* with four programmable touchless sensors



Built-in ionizer neutralizes static charges

| | | | | | | | |
|---------------------|-----------------------|-------------------------|-------------------------------|---------------------------|----------------------|-----------------|-----------|
| Parts Counting | Check-Weighing | Dynamic/Animal weighing | Percent Weighing | Totalization | Peak Hold | Statistics | Filling |
| Pipette Adjustment | Density Determination | Formulation | Differential Weighing | SQC | Internal Calibration | GLP Data Output | Time/Date |
| RS232/USB Interface | Weigh Below Hook | Backlit Touchscreen | Ethernet Interface (Optional) | NTEP Certified (Optional) | OIML Approved | Gross/Net/Tare | |

| Model | EX125D | EX125 | EX225D | EX225D/AD | EX225/AD | EX125DM | EX125M | EX225DM | EX225DM/AD | EX225M/AD |
|--|---------------------------------------|---------|------------------|------------------|----------|------------------|---------|------------------|------------------|-----------|
| Capacity | 52 g / 120 g | 120 g | 120 g/220g | 120 g/220 g | 220 g | 52 g / 120 g | 120 g | 120 g/220 g | 120 g/220 g | 220 g |
| Readability (d) | 0.01 mg / 0.1 mg | 0.01 mg | 0.01 mg / 0.1 mg | 0.01 mg / 0.1 mg | 0.01 mg | 0.01 mg / 0.1 mg | 0.01 mg | 0.01 mg / 0.1 mg | 0.01 mg / 0.1 mg | 0.01 mg |
| Repeatability (20 g) (std. dev.) | 0.015 mg | | | | | | | | | |
| Linearity | ±0.1mg | | | | | | | | | |
| Typical Min-weight (g) (USP, u=0.10%, k=2) | 20.0 mg | | | | | | | | | |
| Optimized Min-weight (g) (USP, u=0.10%, k=2) SRP≤0.41d | 9.0 mg | | | | | | | | | |
| Pan Size | Ø 80 mm | | | | | | | | | |
| Stablization Time | 0.1 mg: ≤3 second, 0.01 mg: ≤8 second | | | | | | | | | |

Analytical

Explorer®

The Industry's Most Easy-to-Use Balance

- Metal base, ABS top housing, stainless steel pan and glass draftshield with flip-top/sliding top door and optional Auto-Door feature for side draftshield doors
- Full-color VGA graphic display (5.7 in /14.cm diagonal) with 4-wire resistive touch screen and modular design that can be separated from weighing base for increased flexibility
- SmartText™ 2.0 software with virtual QWERTY keyboard and numeric keypad to quickly input GLP/GMP data and other application data. Enhanced vibration filtering for better balance stability, as well as AutoCal™ automatic internal calibration to improve accuracy
- 4 programmable touchless sensors, icon-driven application software and weighing chamber light for increased efficiency

The OHAUS Explorer features a user friendly application-based graphical software platform in concert with a redesigned antistatic draftshield, enhanced weighing performance, and a flexible modular display that detaches from the weighing base. Ingeniously striking a balance between cutting-edge technology and functional design, the Explorer delivers accurate performance, with the end user in mind to improve lab efficiency.



| | | | | | | | |
|--------------------|-----------------------|-------------------------|---------------------|---------------------|-------------------------------|---------------------------|----------------------|
| | | | | | | | |
| Parts Counting | Check-Weighing | Dynamic/Animal weighing | Percent Weighing | Totalization | Peak Hold | Statistics | Filling |
| | | | | | | | |
| Pipette Adjustment | Differential Weighing | Formulation | Ingredient Costing | SQC | Gross/Net/Tare | Density Determination | Internal Calibration |
| | | | | | | | |
| Time/Date | GLP Data Output | Weigh Below Hook | Backlit Touchscreen | RS232/USB Interface | Ethernet Interface (Optional) | NTEP Certified (Optional) | OIML Approved |



Resistive touch screen display quickly responds to operator's touch

| Model* | EX124 | EX224 | EX324 |
|---------------------------------------|-----------------|-----------------|-----------------|
| Automatic Door | EX124/AD | EX224/AD | EX324/AD |
| Capacity | 120 g | 220 g | 320 g |
| Readability (g) | | 0.0001 | |
| Repeatability std (g) | | ±0.0001 | |
| Linearity (g) | | ±0.0002 | |
| Typical Min-Weight (USP, K=3, U=0.1%) | | 0.24 g | |
| Typical Min-Weight (GLP, K=2, U=0.1%) | | 0.16 g | |
| PanSize (cm) | | 9 Diameter | |
| Display Housing (W×H×D) (cm) | | 19.5 × 9 × 15.4 | |
| Base Housing (W×H×D) (cm) | | 23 × 35 × 39.3 | |



Four touchless sensors provide hands-free operation of tare, print, calibration, and other selectable functions.



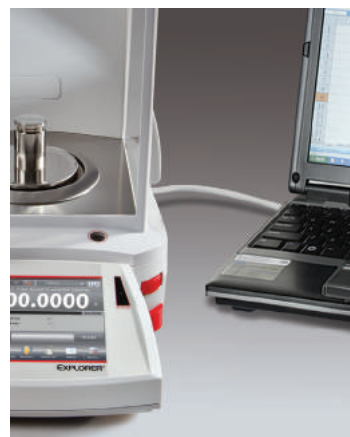
Shown with SF40A impact printers.
See page 17 for details.



High resolution, 5.7" color TFT display



QWERTY and numeric key pads to quickly input GLP and GMP data



Data transfer function helps to output data directly into leading software applications.

| Explorer® Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 83021102 | Tower Mount for Display |
| 83021083 | Display Extension Cable |
| 80253384 | Density Determination Kit |
| 83021084 | Draftshield Kit (0.01g, 0.1g, excluding High Capacity models) |
| 80850043 | Security Device (Laptop Lock) |
| 83021085 | Interface Cable, USB (Type A to B) |
| 83021081 | Second RS232 Kit |
| 80252581 | RS232 Cable and Adapter to 80251992 Printer |
| 83021082 | Ethernet Kit |
| 83021086 | Foot Switch Kit |
| 80500524 | RS232 Cable, PC 25 Pin |
| 80500525 | RS232 Cable, PC 9 Pin |
| 30130303 | ION-100A - Ionizer |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink ribbon for Printer SF40A |
| 12122603 | RS232 Cable SF40A Impact Printer |
| 80251992 | Compact Thermal Printer |
| 80253300 | OHAUS DAS Software |
| 80251396 | Auxiliary Display PAD7 |



Display can be separated from the weighing base. Extension cable accessory extends remote use up to 10 feet.

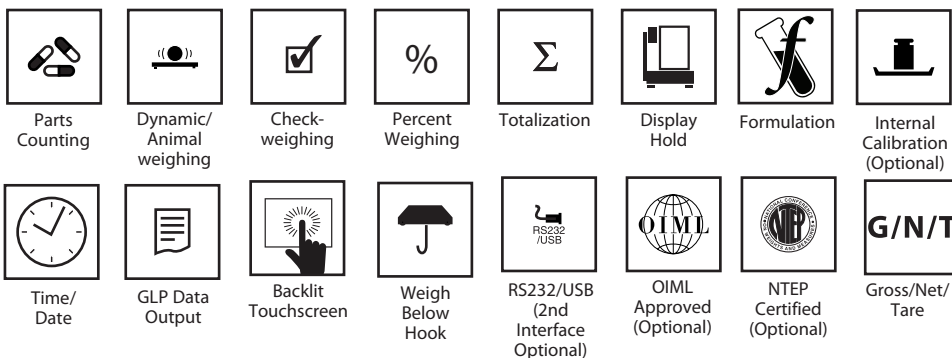
Analytical

Adventurer®

The Most Complete Balance in Its Class

- Stability, Accuracy, and Fast Operation Ensure Optimal Weighing Results
- Color Touchscreen & Connectivity Options Power a Modern Weighing Experience
- Space-saving Draftshield Improves User Experience and Accessibility

With a color touchscreen, GLP/GMP compliance capabilities, two USB ports, ingenious draftshield, and much more, Adventurer is the most complete balance in its class.



| Model | AX124 | AX224 | AX324 |
|--|----------------|--------------------|-------|
| External Calibration | AX124/E | AX224/E | - |
| Capacity (g) | 120 | 220 | 320 |
| Readability (mg) | | 0.0001 | |
| Linearity (mg) | | ± 0.0002 | |
| Typical Min-weight (g) (USP, u=0.10%, k=2) | | 0.20g | |
| Optimized Min-weight (g) (USP, u=0.10%, k=2) SRP≤0.41d | | 0.82g | |
| Pan Size (in/cm) | | Ø 90 mm | |
| Base Housing (WxDxH) (cm) | | 35.4 × 23 × 34 | |
| Shipping Dimensions (cm) | | 50.7 × 38.7 × 53.1 | |



Save to USB function



Color Touchscreen

| Adventurer Accessories | |
|------------------------|------------------------------------|
| OHAUS # | Description |
| 80251396 | Auxiliary Display (PAD7) |
| 80253384 | Density Determination Kit |
| 83021085 | Cable, USB Interface (Type A to B) |
| 80850043 | Security Device (Laptop Lock) |
| 80500524 | RS232 Cable, PC 25 Pin |
| 80500525 | RS232 Cable, PC 9 Pin |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink ribbon for Printer SF40A |



Analytical

Pioneer®

High Performance At an Economical Price

- Easy to clean draftshield with sliding top
- Upfront level indicator
- Selectable environmental settings
- Optional internal Calibration models

Pioneer—full featured, simple to use. All the quality you have come to expect from OHAUS in an economical package.



Parts Counting



Percent Weighing



Weigh Below Hook



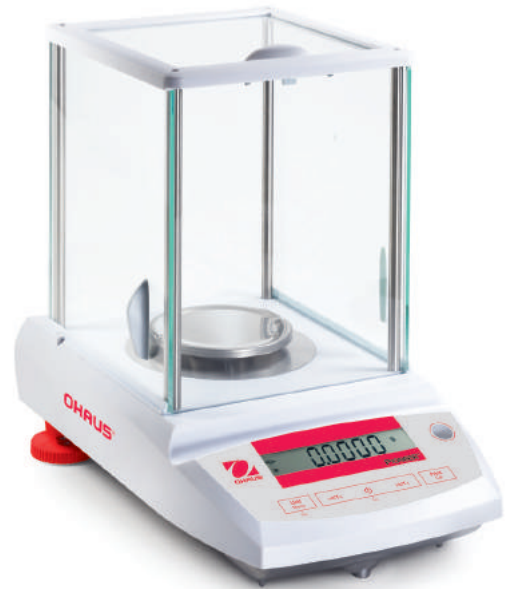
Internal Calibration (Optional)



OIML Approved (Optional)



NTEP Certified (Optional)



| Model w/ InCal | PA64C | PA114C | PA214C |
|---------------------------|--------------------|--------|--------|
| Model w/o InCal | PA64 | PA114 | PA214 |
| Capacity (g) | 65 | 110 | 210 |
| Readability (mg) | 0.1 | 0.1 | 0.1 |
| Linearity (mg) | ± 0.2 | ± 0.2 | ± 0.2 |
| Platform Size (cm) | 9 Diameter | | |
| Base Housing (W×H×D) (cm) | 19.6 × 28.7 × 32 | | |
| Shipping Dimensions (cm) | 49.5 × 39.5 × 52.2 | | |



Removable doors for easy access and cleaning



Selectable environmental settings for working in practically any condition

| Pioneer™ Accessories | |
|----------------------|---|
| OHAUS # | Description |
| 80251992 | Compact Thermal Printer |
| 80251931 | Paper for Thermal Printer 80251992 (1 roll) |
| 80252581 | RS232 Cable & Adapter, 80251992 Printer |
| 80500525 | RS232 Cable, PC 9 Pin to Pioneer |
| 80500524 | RS232 Cable, PC 25 Pin to Pioneer |
| 80251396 | Secondary display PAD7 |
| 80253384 | Density Determination Kit for Pioneer |
| 80850000 | Security Device (Cable & Lock) |
| 80850043 | Security Device (Laptop Lock) |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |



RS232 interface for data connectivity



Built-in security bracket

Precision

Explorer®

The Industry's Most Easy-to-Use Balance

- Metal base, ABS top housing, stainless steel pan and a glass draftshield with flip-top on 1mg models
- Full-color VGA graphic display (5.7 in /14.cm diagonal) with 4-wire resistive touch screen and modular design that can be separated from weighing base for increased flexibility
- SmarText™ 2.0 software with virtual QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data. Enhanced vibration filtering for better balance stability.
- 4 programmable touchless sensors and icon-driven application software for increased efficiency .

The OHAUS Explorer features a user friendly application-based graphical software platform in concert with a redesigned antistatic draftshield, enhanced weighing performance, and a flexible modular display that detaches from the weighing base. Ingeniously striking a balance between cutting-edge technology and functional design, the Explorer delivers accurate performance, with the end user in mind to improve lab efficiency.



| | | | | | | | |
|--------------------|-----------------------|-------------------------|---------------------|---------------------|-------------------------------|---------------------------|----------------|
| | | | | | | | |
| Parts Counting | Check-Weighing | Dynamic/Animal weighing | Percent Weighing | Totalization | Peak Hold | Statistics | Filling |
| | | | | | | | |
| Pipette Adjustment | Differential Weighing | Formulation | Ingredient Costing | SQC | Density Determination | Internal Calibration | Gross/Net/Tare |
| | | | | | | | |
| Time/Date | GLP Data Output | Weigh Below Hook | Backlit Touchscreen | RS232/USB Interface | Ethernet Interface (Optional) | NTEP Certified (Optional) | OIML Approved |



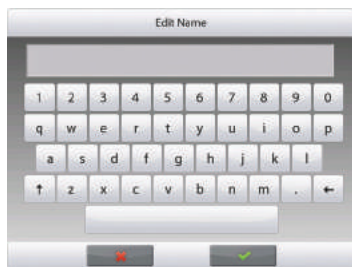
Draftshield accessory available

| Model | EX223** | EX423** | EX623** | EX1103** | EX2202 | EX4202 | EX6202 | EX10202 | EX6201 | EX10201 |
|---------------------------------------|-------------------------------------|---------|---------|----------|-----------------------------------|----------|----------|---------|----------|---------|
| External Calibration | EX223/E | EX423/E | - | - | EX2202/E | EX4202/E | EX6202/E | - | EX6201/E | - |
| Capacity (g) | 220 | 420 | 620 | 1100 | 2200 | 4200 | 6200 | 10200 | 6200 | 10200 |
| Readability (g) | 0.001 | | | | 0.01 | | | 0.1 | | |
| Repeatability std (g) | ±0.001 | | | | ±0.01 | | | ±0.1 | | |
| Linearity (g) | ±0.002 | | | | ±0.02 | | | ±0.2 | | |
| Typical Min-Weight (USP, K=3, U=0.1%) | 1.6 g | | | | 16 g | | | 160 g | | |
| PanSize (in/mm) | Ø5.1 / 130 | | | | 7.5 × 7.9 / 190 × 200 | | | | | |
| Display Housing (W×H×D) (in/mm) | 7.7 × 3.5 × 6.0 / 195 × 90 × 154 | | | | | | | | | |
| Base Housing (W×H×D) (in/mm) | 9.1 × 13.8 × 15.5 / 230 × 350 × 393 | | | | 9.1 × 3.9 × 15.5 / 230 × 98 × 393 | | | | | |

**Includes draftshield.



High resolution, 5.7" color TFT display



QWERTY and numeric key pads to quickly input GLP and GMP data



Resistive touch screen display quickly responds to operator's touch



Four touchless sensors provide hands-free operation of tare, print, calibration, and other selectable functions.



Adjustable viewing angle display



Tower mount accessory available



Display can be separated from the weighing base. Extension cable accessory extends remote use up to 10 feet.

| Explorer® Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 83021102 | Tower Mount for Display |
| 83021083 | Display Extension Cable |
| 80253384 | Density Determination Kit |
| 83021084 | Draftshield Kit (0.01g, 0.1g, excluding High Capacity models) |
| 80850000 | Security Device (Cable & Lock) |
| 80850043 | Security Device (Laptop Lock) |
| 83021085 | Interface Cable, USB (Type A to B) |
| 83021081 | Second RS232 Kit |
| 80252581 | RS232 Cable and Adapter to 80251992 Printer |
| 83021082 | Ethernet Kit |
| 83021086 | Foot Switch Kit |
| 80500524 | RS232 Cable, PC 25 Pin |
| 80500525 | RS232 Cable, PC 9 Pin |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink ribbon for Printer SF40A |
| 80251992 | Compact Thermal Printer |
| 80251396 | Auxiliary Display PAD7 |

Precision

Adventurer™

The Most Complete Balance in Its Class

- Stability, Accuracy, and Fast Operation Ensure Optimal Weighing Results
- Color Touchscreen & Connectivity Options Power a Modern Weighing Experience
- Space-saving Draftshield Improves User Experience and Accessibility

With a color touchscreen, GLP/GMP compliance capabilities, two USB ports, ingenious draftshield, and much more, Adventurer is the most complete balance in its class..



| | | | | | | | |
|---------------------|-------------------------|---------------------------------|------------------------------------|--------------------------|---------------------------|-------------|-----------------|
| | | | | | | | |
| Parts Counting | Dynamic/Animal weighing | Check-weighing | Percent Weighing | Totalization | Display Hold | Time/Date | GLP Data Output |
| | | | | | | | |
| Backlit Touchscreen | Weigh Below Hook | Internal Calibration (Optional) | RS232/USB (2nd Interface Optional) | OIML Approved (Optional) | NTEP Certified (Optional) | Formulation | Gross/Net/Tare |

| Model | AX223 | AX423 | AX523 | AX622 | AX1502 | AX2202 | AX4202 | AX5202 | AX4201 | AX8201 |
|---------------------------------------|--------------------|---------|---------|---------|--------------------|----------|----------|--------|----------|----------|
| External Calibration | AX223/E | AX423/E | AX523/E | AX622/E | AX1502/E | AX2202/E | AX4202/E | - | AX4201/E | AX8201/E |
| Capacity (g) | 220 | 420 | 520 | 620 | 1520 | 2200 | 4200 | 5200 | 4200 | 8200 |
| Readability (mg) | 0.001 | | | | 0.01 | | | | 0.1 | |
| Linearity (mg) | ±0.001 | | | | ±0.02 | | | | ±0.2 | |
| Typical Min-Weight (USP, K=2, U=0.1%) | 2.0 g | | | | 20.0 g | | | | 200.0 g | |
| Pan Size (cm) | Ø 13 | | | | 17.5 × 19.5 | | | | | |
| Base Housing (W×D×H) (cm) | 35.4 × 23 × 34 | | | | 35.4 × 23 × 10 | | | | | |
| Shipping Dimensions (cm) | 50.7 × 38.7 × 53.1 | | | | 55.7 × 39.2 × 30.1 | | | | | |

| Adventurer Accessories | |
|------------------------|------------------------------------|
| OHAUS # | Description |
| 80251396 | Auxiliary Display (PAD7) |
| 80253384 | Density Determination Kit |
| 83021085 | Cable, USB Interface (Type A to B) |
| 80850043 | Security Device (Laptop Lock) |
| 80500524 | RS232 Cable, PC 25 Pin |
| 80500525 | RS232 Cable, PC 9 Pin |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink ribbon for Printer SF40A |



Precision

Pioneer®

High Performance At an Economical Price

- RS232 for data connectivity
- Upfront level indicator
- mg, g, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola
- Selectable environmental settings

Pioneer—full featured, simple to use. All the quality you have come to expect from OHAUS in an economical package.



1mg models include draftshield.



Parts Counting



Percent Weighing



Weigh Below Hook



Internal Calibration (Optional)



OIML Approved (Optional)

| Model w/ InCal | PA213C | PA413C | PA512C | PA2102C | PA4102C | PA4101C |
|---------------------------------------|--------------------|--------|--------|--------------------|---------|---------|
| Model w/o InCal | PA213 | PA413 | PA512 | PA2102 | PA4102 | PA4101 |
| Capacity (g) | 210 | 410 | 510 | 2100 | 4100 | 4100 |
| Readability (g) | 0.001 | | | 0.01 | | 0.1 |
| Linearity (g) | ±0.002 | | | ±0.02 | | ±0.1 |
| Typical Min-Weight (USP, K=2, U=0.1%) | 2.0 g | | | 20 g | | 200 g |
| Platform Size (cm) | 12 Diameter | | | 18 Diameter | | |
| Base Housing (W×H×D) (cm) | 19.6 × 28.7 × 32 | | | | | |
| Shipping Dimensions (cm) | 49.5 × 39.5 × 52.2 | | | 49.5 × 39.5 × 32.7 | | |

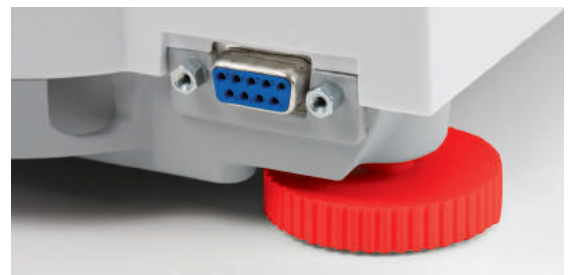


Selectable environmental settings for working in practically any condition



Built-in security bracket

| Pioneer™ Accessories | |
|----------------------|--|
| OHAUS # | Description |
| 80251992 | Compact Thermal Printer |
| 30045641 | SF40A Impact Printer |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink ribbon for Printer SF40A |
| 80251931 | Paper for Thermal Printer 80251992 (1 roll) |
| 80252581 | RS232 Cable & Adapter, 80251992 Printer to all MB models |
| 80500525 | RS232 Cable, PC 9 Pin to Pioneer |
| 80500524 | RS232 Cable, PC 25 Pin to Pioneer |
| 80251396 | Auxiliary Display Kit for Pioneer |
| 80850000 | Security Device (Cable & Lock) |



RS232 interface for data connectivity

High Capacity

Explorer®

The Industry's Most Easy-to-Use Balance

- Die-cast metal base with 2-D protection that prevents shock and damage associated with movement and forces applied to the balance. IP54 base enclosure protects the weighing base from damage by debris, humidity and accidental spills and splashes. Includes a large stainless steel pan built to withstand rugged every day use
- Full-color VGA graphic display (5.7 in / 14.cm diagonal) with 2-wire resistive touch screen and modular design that can be separated from weighing base for increased flexibility
- SmarText™ 2.0 software with virtual QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data. Enhanced vibration filtering for better balance stability, as well as AutoCal™ automatic internal calibration to improve accuracy
- 2 programmable touchless sensors, icon-driven application software for increased efficiency with Weigh-below hook included



| | | | | | | | |
|----------------|-----------------|-------------------------|-----------------------|---------------------|--------------------|------------|-------------------------------|
| | | | | | | | |
| Parts Counting | Check-Weighing | Dynamic/Animal weighing | Percent Weighing | Totalization | Peak Hold | Statistics | Internal Calibration |
| | | | | | | | |
| Filling | Gross/Net/Tare | Density Determination | Differential Weighing | Formulation | Ingredient Costing | SQC | Ethernet Interface (Optional) |
| | | | | | | | |
| Time/Date | GLP Data Output | Weigh Below Hook | Backlit Touchscreen | RS232/USB Interface | OIML Approved | | |



Shown with optional rolling feet and tower mount

| Model | EX12001 | EX24001 | EX35001 |
|--|------------------|---------|---------|
| Capacity (g) | 12000 | 24000 | 35000 |
| Readability (g) | 0.1 | 0.1 | 0.1 |
| Linearity (g) | ±0.2 | ±0.2 | ±0.2 |
| Stabilization Time | ≤1 | ≤1 | ≤1 |
| Sensitivity Draft (PPM/°C) | 3 | 3 | 3 |
| Typical Min-Weight (USP, K=2, U=0.10%) | 160 g | 160 g | 160 g |
| Pan Size (cm) | 37.7 × 31.1 | | |
| Display Housing (W × H × D) (cm) | 19.5 × 9 × 15.4 | | |
| Base Housing (W × H × D) (cm) | 37.7 × 12 × 44.3 | | |
| Shipping Dimensions | 66.5 × 52.5 × 33 | | |

Moisture Analysis

MB120 & MB90

Professional Moisture Analyzers for Advanced Moisture Analysis

- Effortless cleaning with the tool-free cleaning structure
- Operate intuitively using icon-based navigation on the color touchscreen display
An intuitive touchscreen icon-driven menu guides users through every step of the operation process.

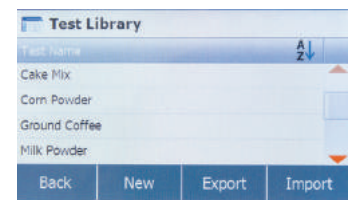


| | | | | | | |
|------------|-------------------|----------------|-----------|-----------------|-----------|-----------------|
| | | | | | | |
| Statistics | Moisture Analysis | Multi-language | Time/Date | GLP Data Output | Backlight | RS232 Interface |

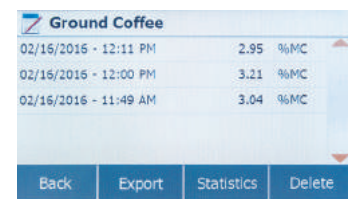
| Model | MB120 | MB90 |
|------------------------------|--|---|
| Capacity (g) | 120 g | 90 g |
| Readability | 0.01 %/0.001 g | 0.01 %/0.001 g |
| Repeatability (g) | 0.05 % (3 g sample) 0.015 % (10 g sample) | 0.18 % (3 g sample) 0.02 % (10 g sample) |
| Pan Size (in/cm) Diameter | 90 mm | |
| Temperature Range | 40–230 °C | 40–200 °C |
| Heating Element | Halogen | |
| Heating profile | Standard, Fast, Ramp, Step | Standard, Fast |
| Switch-off criteria | Manual, Timed, A30, A60, A90, Autofree mg/s, Autofree %/s | Manual, Timed, Auto |
| Method and result | 100 methods and total 1000 test results | 2 methods and total 100 test results |
| Others | Temperature guide, User management system | NA |
| Dimensions (WxHxD) (in/cm) | 210 × 180 × 350 mm | |
| Displays | %moisture, %solids, %regain, time, temperature, weight, method name, drying curve and statistics | |



MB120 open with sample

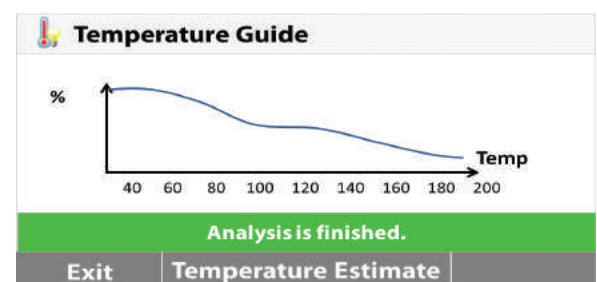


Method Library



Results Storage

| MB Accessories | |
|----------------|--|
| OHAUS # | Description |
| 30246947 | Pan Holder, MB90 MB120 |
| 30284478 | In-Use-Cover, Accessory, MB90 MB120 |
| 30284477 | Scoop, Accessory, MB90 MB120 |
| 11113857 | Temperature Calibration Kit |
| 80850043 | Anti-Theft Device, MB AX EX |
| 80850086 | Pan, Aluminum, Set(80), MB Series |
| 80850087 | Filter, Glass Fiber, Set(200) |
| 80252477 | Cage, Sample, MB Series |
| 80252478 | Pan, Reusable, Set(3), 7mm, MB Series |
| 80252479 | Pan, Reusable, Set(3), 14mm, MB Series |
| 30045641 | Printer, Impact, SF40A |



Temperature Guide

Moisture Analysis

MB Series

Redefining Value in Moisture Analysis

- Easy to setup and operate—The MB45/35 utilize a dot matrix graphic display for quick setup and use. The MB23/25 /27 employ a bright backlit LCD display.
- Halogen or IR heating elements—MB45/35/27/25 have a fast and even heating halogen lamp, while the MB23 uses a glass free IR heating system.
- Simple or Advanced—The MB45 features powerful software with an integrated database to store 50 drying procedures along with the ability to track statistical data. All products feature multiple shut off criteria to save time and cost.
- Flexible Performance—The MB27 provides accurate results at 0.01%, 0.001g. 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%, 0.001g.

Flexible choices with capacities from 35g to 110g and readabilities of 0.01g to 0.001g.



Statistics



Moisture Analysis



Multi-language



Time/Date



GLP Data Output



Backlight



RS232 Interface



MB45 Dot Matrix display



Pan Handler

| Model | MB45 | MB35 | MB27 | MB25 | MB23 |
|-------------------------------|---|---|--|--|---|
| Capacity (g) | 45 | 35 | 90 | 110 | 110 |
| Readability | 0.01%/0.001g | 0.02%/0.002g | 0.01%/0.001g | 0.05% / 0.005g | 0.1% / 0.01g |
| Repeatability (g) | 0.05 % (3g sample) 0.015 % (10g sample) | 0.18 % (3g sample) 0.05 % (10g sample) | 0.2% (3 g sample) 0.05% (10 g sample) | 0.2% (3 g sample) 0.05% (10 g sample) | 0.3% (3g sample) 0.2% (10g sample) |
| Pan Size (in/cm) Diameter | 3.5/90 | | | | 3.5/90 |
| Timer | 1-120 Minutes in 10 second increments | 1-120 Minutes in 30 second increments | 1 - 99 minutes, 30-second increments to 60 minutes | | |
| Heating Element | Halogen | | | | IR |
| Temperature Range | 50° to 200° C in 1° C increments | | 50° to 160° C in 5° C increments | | |
| Dimensions (WxHxD) (in/cm) | 7.5 x 6 x 14 / 19 x 15.2 x 35 | | | 6.5 x 5 x 11 / 17 x 13 x 28 | |
| Displays | % Moisture, % Solids, Time, Weight, Statistics, Temperature, Test ID, Drying Curve | | % Moisture, Time, Weight, Temperature | | % moisture or % solids or weight (g), temperature, time |

| MB Accessories | |
|----------------|--|
| OHAUS # | Description |
| 11113857 | Temperature Calibration Kit for all MB Models |
| 30045641 | Printer Impact SF40A |
| 12120799 | Paper reels for Printer SF40A |
| 12120798 | Ink Ribbon for Printer SF40A |
| 80252475 | In-Use Cover for MB25 and MB23 |
| 80252581 | RS232 Cable & Adapter, 80251992 Printer |
| 80500525 | RS232 Cable, PC 9 Pin |
| 80850086 | Sample Pans - all MB models (80/box) |
| 80850087 | Pads, Glass Fiber for all MB Models (200/box) |
| 80850043 | Anti-Theft Device, MB AX EX |
| 80850085 | In-Use Cover for MB45 and MB35 |
| 80252476 | Holder, Pan, MB Series, MB23/MB25/MB27/MB35/MB35 |
| 80252478 | Pan Reusable 7mm 3Pcs MB Series |
| 80252479 | Pan Reusable 14mm 3Pcs MB Series |



MB27



MB25



MB23

Portable

Navigator®

The Only Scale in Its Class With Touchless Sensors!

- Two touchless sensors which free up your hands for handling samples and minimizing wear & tear on the keypad
- Application modes include weighing, percent weighing, parts counting, display hold and accumulate
- Weighing units – gram, kilogram, pound, ounce (decimal or fractional)
- One second stabilization time provides fast, accurate weighing results; improving efficiency, productivity and throughput
- Superior overload protection system allows the scale to withstand loads up to 400% of its rated capacity
- Multiple application modes allow for a wide range of use; quality control, inventory management, shipping, receiving, recipes, formulation, portioning and more!

The Navigator series offers a unique combination of features including touchless sensors, ultra-fast response time and superior overload protection for use in a wide variety of weighing applications.



Set up the two sensors independently to operate up to 36 combinations of functions without touching the keys.



Parts Counting



Backlight



Check-Weighing



Percent Weighing



Totalization



Battery Power NV



Rechargeable Battery NVL, NVT



RS232/USB (2nd Interface Optional)



Display Hold

| Navigator | NV212 |
|------------------------------|-------------------|
| Capacity (g) | 210 |
| Readability (g) | 0.01 |
| Linearity (g) | ±0.02 |
| Span Calibration Mass | 200 g |
| Pan Size (W x D) mm | 120mm diameter |
| Scale Dimensions (W x D x H) | 204 x 212 x 58 mm |



Navigator



Navigator XL

Optional rechargeable battery!



Navigator XT

Optional rechargeable battery!

| Navigator XL | NVL511 | NVL1101 | NVL2101 | NVL5101 | NVL10001 | NVL20000 |
|------------------------------|-------------------|---------|---------|---------|----------|----------|
| Capacity (g) | 510 | 1100 | 2100 | 5100 | 10000 | 20000 |
| Readability (g) | 0.1 | 0.1 | 0.1 | 0.5 | 1 | 1 |
| Linearity (g) | ±0.2 | ±0.2 | ±0.2 | ±1 | ±2 | ±2 |
| Span Calibration Mass | 300 g | 500 g | 1 kg | 3 kg | 5 kg | 10 kg |
| Pan Size (W x D) | 194 x 203 mm | | | | | |
| Scale Dimensions (W x D x H) | 204 x 282 x 74 mm | | | | | |

| Navigator XT | NVT1601/2 | NVT3201/2 | NVT6401/2 | NVT10001/2 | NVT16000/2 |
|------------------------------|-------------------|-----------|-----------|------------|------------|
| Capacity (g) | 1600 | 3200 | 6400 | 10000 | 16000 |
| Readability (g) | 0.1 | 0.2 | 0.5 | 0.5 | 1 |
| Linearity (g) | ±0.2 | ±0.4 | ±1 | ±1 | ±2 |
| Span Cal Mass (kg) | 1 | 2 | 5 | 10 | 10 |
| Pan Size (W x D) | 230 x 174 mm | | | | |
| Scale Dimensions (W x D x H) | 240 x 250 x 70 mm | | | | |

MODELS COULD BE DIFFERENT IN EACH COUNTRY. CONTACT YOUR DEALER MANAGER FOR INFORMATION.

Portable

Scout® STX

The Next Generation of Scout Balances

- Quick and Efficient Navigation with the Informative Color Touchscreen Display
- Fast Weighing Speed and High Resolution Deliver Repeatable and Reliable Results
- Superior Overload Protection & Stackable Storage Drive Overall Durability
- Multiple Connectivity Options for Greater Flexibility in Communication

Designed for stackable storage. Geared for superior performance with fast stabilization time and high resolution weighing results. Features also include superior overload protection and expanded connectivity options.



| | | | | | | | | | | |
|----------------|------------------|--------------|------------------|--------------|---------------------------------|---------------|----------------|--------------------------|-----------|-----------------------|
| | | | | | | | | | | |
| Parts Counting | Percent Weighing | Totalization | Weigh Below Hook | Display Hold | RS232/ USB Interface (Optional) | Battery Power | Check-Weighing | Dynamic/ Animal weighing | Peak Hold | Density Determination |

| Model | STX123 | STX223 | STX222 | STX422 | STX622 | STX1202 | STX2202 |
|---------------------------------|--------------------|--------|----------|--------|--------------|---------|---------|
| Capacity (g) | 120 | 220 | | 420 | 620 | 1200 | 2200 |
| Readability (g) | 0.001 | | 0.01 | | | | |
| Linearity (g) | 0.003 | | 0.01 | 0.02 | 0.03 | | |
| Span Calibration Mass | 100 g | 200 g | | 300 g | 1 kg | 2 kg | |
| Pan Size (W x D) | Ø 93 mm | | Ø 120 mm | | 170 x 140 mm | | |
| Shipping Dimensions (W x D x H) | 300 x 250 x 129 mm | | | | | | |

| Model | STX421 | STX621 | STX2201 | STX6201 | STX8200 |
|---------------------------------|--------------------|--------------|---------|---------|---------|
| Capacity (g) | 420 | 620 | 2200 | 6200 | 8200 |
| Readability (g) | 0.1 | | | | 1 |
| Linearity (g) | 0.1 | | 0.2 | 1 | |
| Span Calibration Mass* | 200 g | 300 g | 2 kg | 5 kg | 8 kg |
| Pan Size (W x D) | Ø 120 mm | 170 x 140 mm | | | |
| Shipping Dimensions (W x D x H) | 300 x 250 x 129 mm | | | | |



Scout STX Stacking with 6 Balances

| Scout Pro Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 30268982 | RS232 Interface Kit |
| 30268983 | USB Host Interface Kit |
| 30268984 | USB Device Interface Kit |
| 30268986 | Ethernet Interface Kit |
| 30268987 | Stacking & Storage Cover (6 pcs) |
| 30268988 | Stacking & Storage Cover (1 pc) |
| 30045641 | Printer, Impact, SF40A |
| 30269019 | Auxiliary Display Kit |
| 80850043 | Security Device |
| 30269020 | Top Loading Kit for Density Determination |
| 30269021 | Carrying Case |
| 30269022 | In-use Cover |



Scout USB Device Interface

Portable

Scout® SPX

The Next Generation of Scout Balances

- Bright Backlit LCD & 4 Button Control Enable Efficient Operation and Ease of Use
- Bolstered by Superior Overload Protection and Impact-Resistant Pan Support
- Better Performance and Higher Capacities Widen the Range of Weighing Applications

Geared for high performance in your facility with fast stabilization time and high resolution weighing results, these portable balances set a new standard in laboratory and industrial weighing.



| | | | | | | | | |
|----------------|------------------|--------------|------------------|--------------|---------------------------------|---------------|----------------|-----------|
| | | | | | | | | |
| Parts Counting | Percent Weighing | Totalization | Weigh Below Hook | Display Hold | RS232/ USB Interface (Optional) | Battery Power | Check-Weighing | Peak Hold |

| Model | SPX123 | SPX223 | SPX222 | SPX422 | SPX622 | SPX1202 | SPX2202 |
|---------------------------------|--------------------|--------|----------|-------------------|--------------|---------|---------|
| Capacity (g) | 120 | 220 | | 420 | 620 | 1200 | 2200 |
| Readability (g) | 0.001 | | | 0.01 | | | |
| Linearity (g) | 0.003 | | 0.01 | | 0.02 | 0.03 | |
| Span Calibration Mass* | 100 g | 200 g | | 300 g | 1 kg | 2 kg | |
| Pan Size (W × D) | Ø 93 mm | | Ø 120 mm | | 170 × 140 mm | | |
| Shipping Dimensions (W × D × H) | 300 × 250 × 129 mm | | | 300 × 250 × 86 mm | | | |

| Model | SPX421 | SPX621 | SPX2201 | SPX6201 | SPX8200 |
|---------------------------------|-------------------|--------------|---------|---------|---------|
| Capacity (g) | 420 | 620 | 2200 | 6200 | 8200 |
| Readability (g) | 0.1 | | | | 1 |
| Linearity (g) | 0.1 | | 0.2 | | 1 |
| Span Calibration Mass* | 200 g | 300 g | 2 kg | 5 kg | 8 kg |
| Pan Size (W × D) | Ø 120 mm | 170 × 140 mm | | | |
| Shipping Dimensions (W × D × H) | 300 × 250 × 86 mm | | | | |



Scout SPX Draftshield Revolve to Open

| Scout Pro Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 30268982 | RS232 Interface Kit |
| 30268983 | USB Host Interface Kit |
| 30268984 | USB Device Interface Kit |
| 30268986 | Ethernet Interface Kit |
| 30268987 | Stacking & Storage Cover (6 pcs) |
| 30268988 | Stacking & Storage Cover (1 pc) |
| 30045641 | Printer, Impact, SF40A |
| 30269019 | Auxiliary Display Kit |
| 80850043 | Security Device |
| 30269020 | Top Loading Kit for Density Determination |
| 30269021 | Carrying Case |
| 30269022 | In-use Cover |



Scout SPX Overload Protection

Portable

Scout® SKX

The Next Generation of Portable Balances for Your Classroom!

- Superior overload protection & practical stackable design for convenient storage
- Improved functionality with bright backlit LCD and 4 button operation
- Multiple connectivity options available for data logging and communication
- Fast weighing speed and high resolution deliver repeatable and reliable results

Designed for education applications, the OHAUS Scout with large backlit LCD backed by education software, built to endure demanding classroom applications with superior overload protection.



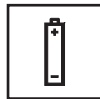
Parts Counting



Weigh Below Hook



RS232/ USB Interface (Optional)



Battery Power



Density Determination

| Model | SKX123 | SKX222 | SKX422 | SKX622 | SKX1202 | SKX2202 |
|---------------------------------|--------------------|----------|--------|--------|--------------|---------|
| Capacity (g) | 120 | 220 | 420 | 620 | 1200 | 2200 |
| Readability (g) | 0.001 | 0.01 | | | | |
| Linearity (g) | 0.003 | 0.01 | | 0.02 | 0.03 | |
| Span Calibration Mass* | 100 g | 200 g | | 300 g | 1 kg | 2 kg |
| Pan Size (W × D) | Ø 93 mm | Ø 120 mm | | | 170 × 140 mm | |
| Shipping Dimensions (W × D × H) | 300 × 250 × 129 mm | | | | | |

| Model | SKX421 | SKX621 | SKX2201 | SKX6201 | SKX8200 |
|---------------------------------|--------------------|--------------|---------|---------|---------|
| Capacity (g) | 420 | 620 | 2200 | 6200 | 8200 |
| Readability (g) | 0.1 | | | | 1 |
| Linearity (g) | 0.1 | | | 0.2 | 1 |
| Span Calibration Mass* | 200 g | 300 g | 2 kg | 5 kg | 8 kg |
| Pan Size (W × D) | Ø 120 mm | 170 × 140 mm | | | |
| Shipping Dimensions (W × D × H) | 300 × 250 × 129 mm | | | | |



Scout SKX Mole Weighing

| Scout Pro Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 30268982 | RS232 Interface Kit |
| 30268983 | USB Host Interface Kit |
| 30268984 | USB Device Interface Kit |
| 30268986 | Ethernet Interface Kit |
| 30268987 | Stacking & Storage Cover (6 pcs) |
| 30268988 | Stacking & Storage Cover (1 pc) |
| 30045641 | Printer, Impact, SF40A |
| 30269019 | Auxiliary Display Kit |
| 80850043 | Security Device |
| 30269020 | Top Loading Kit for Density Determination |
| 30269021 | Carrying Case |
| 30269022 | In-use Cover |



Scout SKX Density Determination

Portable

Scout® SJX

A Dynamic Weighing Experience With the Next Generation of OHAUS Carat and Gold Portable Balances

- Slim design with LCD & connectivity options for a user-friendly experience
- Internal calibration for precision
- Fast weighing speed and high resolution deliver repeatable and reliable results
- Superior overload protection for increased durability

Designed for a wide range of regular and trading applications, the Class II certified SJX Carat and Gold balances are ideal for weighing jewelry, precious metals, gemstones etc.



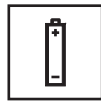
Parts Counting



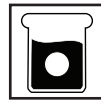
Weigh Below Hook



RS232/ USB Interface (Optional)



Battery Power



Density Determination



Scout SJX E with auxiliary display

| Model | SJX323 | / | SJX622 | SJX1502 | / | / | SJX6201 | / |
|--|--------------------|----------|----------------|--------------|----------|-----------|-----------|-----------|
| External Calibration | SJX323/E | SJX322/E | SJX622/E | SJX1502/E | SJX621/E | SJX3201/E | SJX6201/E | SJX8200/E |
| Capacity (g) | 320 ct (64 g) | 320 g | 620 g | 1500 g | 620 g | 3200 g | 6200 g | 8200 g |
| Readability (g) | 0.005 ct (0.001 g) | 0.01 g | | | 0.1 g | | | |
| Linearity (g) | 0.003 | 0.01 | 0.02 | 0.03 | 0.1 | | 0.2 | 1 |
| Span Calibration Mass* | 50 g | 200 g | 300 g | 1.5 kg | 300 g | 3 kg | 5 kg | 8 kg |
| Pan Size (W × D) | Ø 93 mm | Ø 120 mm | | 170 × 140 mm | | | | |
| Shipping Dimensions - SJX (W × D × H) | 300 × 250 × 129 mm | | | | | | | |
| Shipping Dimensions - SJX/E (W × D × H) (mm) | 300 × 250 × 129 | | 300 × 250 × 86 | | | | | |

| Scout Pro Accessories | |
|-----------------------|---|
| OHAUS # | Description |
| 30268982 | RS232 Interface Kit |
| 30268983 | USB Host Interface Kit |
| 30268984 | USB Device Interface Kit |
| 30268986 | Ethernet Interface Kit |
| 30268987 | Stacking & Storage Cover (6 pcs) |
| 30268988 | Stacking & Storage Cover (1 pc) |
| 30045641 | Printer, Impact, SF40A |
| 30269019 | Auxiliary Display Kit |
| 80850043 | Security Device |
| 30269020 | Top Loading Kit for Density Determination |
| 30269021 | Carrying Case |
| 30269022 | In-use Cover |



Scout bluetooth with mobiledevice

Portable

Compact

The Economical Portable Scale

- Best overall overload protection and durability in its class
- Superior RF protection for use in production areas
- g, lb:oz, Newton
- Battery or AC powered
- Available with Postal charts and metal letter holders

From the laboratory to the field, our Compact Scales are reliable and easy to use. The portable Compact moves with you to any environment and has a long battery life for all-day field experiments. Consistent and quick weighing has never been so easy!

| Model | CS200 | CS2000 | CS5000 |
|----------------------------|-------------------------------------|----------|----------|
| Capacity × Readability (g) | 200 × 0.1 | 2000 × 1 | 5000 × 1 |
| Linearity (g) | ±0.1 | ±1 | ±1 |
| Pan Size (in/cm) | 5.75 × 5.25 / 14.6 × 13.3 | | |
| Dimensions (W×H×D) (in/cm) | 7.6 × 1.5 × 5.3 / 19.3 × 3.9 × 13.5 | | |
| Span Mass (g) | 200 | 1000 | 2000 |
| Mass Item # (optional) | 51025-16 | 51016-16 | 51026-16 |



STAINLESS STEEL PAN AND AC POWER PACK INCLUDED!

Hand-Held

Convenient, Compact Weighing in the Palm of Your Hand

- Backlit display for easy viewing in low light
- g, oz, dwt, ozt*
- Protective snap-on cover

Small enough to fit in your pocket, this electronic scale is great for your prep work and field experiments. Why carry bulky equipment when you can easily take our hand-helds with you?

*oz, ozt, and dwt only available in models HH120 and HH320

| Model | HH120D | HH120 | HH320 |
|----------------------------|--------------------------------------|-----------|-----------|
| Capacity × Readability (g) | 0-60 × 0.1 60-120 × 0.2 | 120 × 0.1 | 320 × 0.1 |
| Linearity (g) | 0-60 : ±0.1 60-120 : ±0.2 | ±0.1 | ±0.2 |
| Pan Size (in/cm) | 3.25 × 3.0 / 8.3 × 7.6 | | |
| Dimensions (W×H×D) (in/cm) | 5.35 × 3.25 × 0.8 / 13.6 × 8.3 × 2.0 | | |
| Span Mass (g) | 100 | 100 | 200 |
| Mass Item # (optional) | 51015-16 | 51015-16 | 51025-16 |



Small enough to carry in your lab coat pocket!

CL Series

Simple Weighing At an Affordable Price

- Load cell lock protects scales when transported or stacked for storage
- g, ozt, lb:oz, dwt
- Auto shut-off

The OHAUS CL is a portable scale for basic weighing in grams. Two easy-to-use buttons let you start weighing right out of the box. Use it in the office, lab or carry it with you anywhere.

| Model | CL201 | CL2000 | CL5000 | CL5000F |
|----------------------------|-------------------------------|----------|----------|----------|
| Capacity × Readability (g) | 200 × 0.1 | 2000 × 1 | 5000 × 1 | 5000 × 1 |
| Linearity (g) | ±0.1 | ±1 | ±1 | ±1 |
| Pan Size (in/cm) | 4.75/12 Diameter | | | |
| Dimensions (W×H×D) (in/cm) | 5.5 × 1.6 × 7.9 / 14 × 4 × 20 | | | |
| Span Mass (g) | 100 | 100 | 200 | |
| Mass Item # (optional) | 51015-16 | 51015-16 | 51025-16 | |



CL5000F comes with carrying case

Mechanical

Triple Beam

The Standard for Over 75 Years

- Three notched and tiered beams with center reading
- Four weighing platforms to choose from
- Spring loaded zero adjust compensator

Whether you're weighing solids, liquids, powders or even animals, the OHAUS Triple Beam balance can handle the job. The 700/1600 Series provides the convenience of a toploading balance with the durability and versatility to accommodate a range of lab applications. Some models have a tare beam to allow containers up to 225g to be balanced out, and a variety of weighing platforms are also available.



| Model | Triple Beam | | | | | | Dial-O-Gram® | | |
|---|----------------------|--------|------------------------------------|--------|------------|--------|-------------------------|---------|----------|
| Model | 710-00 | 710-T0 | 720-S0 | 730-00 | 750-S0 | 760-00 | 1610-00 | 1650-00 | 1650-W0 |
| Capacity (g) | 610 | | | | | | 610 | 2610 | |
| Readability (g) | 0.1 | | | | | | 0.1 | | |
| Calibrations: | Front Beam | | 10g × 0.1g | | 225g tare | | 500g × 100g | | |
| | Middle Beam | | 500g × 100g | | 100g × 10g | | 10g × 0.1g | | |
| | Rear Beam | | 100g × 10g | | — | | — | | |
| | Dial | | — | | — | | — | | |
| Stainless Steel Pan Size (in/cm) Platform Diameter × Depth | 6 × 0.8 / 15.2 × 1.9 | | — | | — | | 6 × 0.8 / 15.2 × 1.9 | — | |
| Stainless Steel Scoop L × W × D (in/cm) | — | | 12 × 6 × 2.75 / 30.5 × 15.2 × 7 | | — | | — | | |
| Animal Container Diameter × Height (in/cm) | — | | 9 × 6 / 22.9 × 15.2 | | — | | — | | |
| Stainless Steel Plate Platform Diameter (in/cm) | — | | — | | 6 / 15.2 | | — | | 6 / 15.2 |
| Tare Range (g) | — | 225 | — | | 225 | | 225 | | |

| Triple Beam Accessories | |
|-------------------------|---|
| OHAUS # | Description |
| 80780014 | Polypropylene Scoop, 12 × 6 × 2.75 in / 30.5 × 15.2 × 7cm |
| 80780015 | Stainless Steel Scoop, 12 × 6 × 2.75 in / 30.5 × 15.2 × 7cm |
| 80780016 | Polypropylene Maxi-Scoop, 10" dia. × 2.5" deep pouring spout, weight 142g & 42g counterweight |
| 80780017 | Vinyl Dust Cover |



Stainless steel scoop (model 720-S0)



Animal weighing container (model 730-00)

Triple Beam Pro™

- Ergonomically designed easy-grip carrying handle
- Two notched and tiered beams to provide ease in reading
- Magnetic damping reduces oscillation to speed up weighing

Accurate, dependable and stylish; the new OHAUS Triple Pro™ Balance offers it all, the superior quality and durability you've come to expect from OHAUS plus all the extras to satisfy every laboratory activity requiring a balance.



| Model | TP2611 |
|-------------------------------------|---|
| Capacity | 2610g (when using the attachment weight set-included) |
| Readability | 0.1g |
| Calibrations: Front Beam | 10g × 0.1g |
| Middle Beam | 500g × 100g |
| Rear Beam | 100g × 10g |
| Stainless Steel Plate Platform Dia. | 5.8" × 5.8" |
| Tare Range | — |

| Triple Pro Accessories | |
|------------------------|--------------------------|
| OHAUS # | Description |
| 80850312 | Security Device for Loop |
| 80850000 | Security Device |
| 80780011 | Rod and Clamp Assembly |

Mechanical

Harvard Trip

Solid Construction & Classic Performance

- Highly versatile and rugged
- Two-pan design ideal for comparative weighing
- Built-in sliding masses

With a two-pan design based on the classic Roberval balance principle, OHAUS Harvard Trip balances feature the additional advantages of magnetic damping, beams with sliding weights and a variety of weighing platforms.

Commonly used for comparative weighing to determine the difference in mass between two objects, rather than their absolute value, these balances come equipped with built-in sliding masses. Harvard Trip balances are known for their accuracy and durability—constructed and precision-engineered for years of maintenance-free laboratory use.



| Model | 1450-SD | 1550-SD | 1560-SD |
|-------------------------------|-------------------|----------|---------|
| Capacity (g) | 2000 | | |
| Readability (g) | 0.1 | | |
| Calibrations: (g) | | | |
| Top Beam | 10 × 0.1 | 10 × 0.1 | |
| Bottom Beam | | 200 × 10 | |
| Stainless Steel Plate (in/cm) | 6 / 15.2 Diameter | | |
| Tare Range | — | — | 225g |

| Harvard Trip Accessories | |
|--------------------------|--|
| OHAUS# | Description |
| 80780006 | Polypropylene Maxi-Scoop, 10" diameter × 2.5" Deep / 25.4 Diameter × 6.4cm Deep (with pouring spout) and counterweight |
| 80850262 | Vinyl Dust Cover |
| 80780011 | Rod and Clamp Assembly |

Printer

SF40A

Combines High Performance and Multiple Functions

- Multiple Application Modes and Features Support the Data Reporting Process
- Easy Setup And Configuration Eliminate Wasted Time
- Multi-Language Printing Supports Universal Operation

The all-new SF40A combines high performance and multiple functions to offer OHAUS quality and durability in a portable printer. The SF40A offers advanced functionality in an easy-to-use and set up printer at an exceptional value. This versatile printer is ideal for use in conjunction with OHAUS balances and scales in laboratory, industrial, and educational applications to ensure accurate documentation of weighing results..



| Model | SF40A |
|--------------------------------|---|
| Number of Columns | 40 columns |
| Print Speed | Approximately 1.2 lines per second |
| Paper Roll (W x Dia.) | Standard paper 2.26 in. x Ø 2.36 in. max / 57.5 mm x Ø 60 mm max. |
| Power Requirements | AC adapter Input: 100 – 240 VAC, 50 - 60 Hz AC adapter output: 12 VDC, 2.5 A |
| Interface | RS232C |
| Ambient Temperature | 32 °F – 104 °F / 0 °C – 40 °C |
| Printer Dimensions (W x L x H) | 5.5 x 8.1 x 2.9 in. / 140 x 205 x 73 mm |
| Net Weight | 1.6 lb / 740 g (Paper roll included) |

Water Analysis

Starter 5000 pH Bench

High Performance Bench Meter for Universal Applications

- Large memory store for measurement and calibration data, three endpoint modes, 8+1 buffer groups etc. make ST5000 a high-level and powerful product
- 4.3" color touchscreen with large digits and well-arranged icons support complex applications with intuitive operation
- IP54 housing and transparent in-use cover protect the meter, built-in USB host port to export data or RS232 to connect a printer

| Model | Description |
|----------|--|
| ST5000-B | 5000 meter, stand alone electrode holder, ST5000 in-use-cover, 4G USB-driver |
| ST5000-F | ST5000-B, ST350 , pH buffer powder sachet |



Starter 3100 pH Bench

Smart PH Bench Meter for Standard Laboratory Applications

- Automatic and manual endpoint functions determine the stability of readings
- The height of the standalone electrode holder can be adjusted for maximum versatility
- Connection to peripheral devices through RS232 port

| Model | Description |
|----------|---|
| ST3100-B | 3100 meter (with standalone electrode holder, in-use-cover) |
| ST3100-F | ST3100-B with ST310 3-in-1 plastic refillable pH electrode, pH buffer powder sachet |



Starter 2100 pH Bench

Economic Benchtop PH Meter for Basic Measurement Tasks

- Built-in electrode arm makes operation simple and convenient
- Auto buffer recognition stores calibration data and helps to avoid errors during the calibration process
- Each time a pH sensor is calibrated, electrode condition icon helps you to know the performance of the sensor so as to ensure accurate measurement.

| Model | Description |
|----------|---|
| ST2100-B | 2100 meter with built-in electrode arm |
| ST2100-E | ST2100-B with ST210 2-in-1 plastic refillable pH electrode and pH buffer powder sachet |
| ST2100-F | ST2100-B with ST210 2-in-1 plastic refillable pH electrode +STTEMP30 temperature electrode, and pH buffer powder sachet |



Water Analysis

Starter 3100C Conductivity Bench

Smart Conductivity Bench Meter for Standard Laboratory Applications

- A one-touch switch between conductivity, salinity, and TDS measurements
- The 4-pole linear electrode offers a large conductivity range that safeguards itself from polarization and pollution effects
- Automatic temperature compensation with an adjustable temperature coefficient
- Automatic and manual endpoint functions determine the stability of readings



| Model | Description |
|-----------|--|
| ST3100C-B | 3100C meter (with standalone electrode holder, and 2 small bottles of standard conductivity solution- 1413 $\mu\text{S}/\text{cm}$ and 12.88 ms/cm , in-use-cover) |
| ST3100C-F | ST3100C-B meter with STCON3 4-pole Conductivity Electrode (70 $\mu\text{S}/\text{cm}$ -200 ms/cm) |

Bench Meter Specifications

| Model | ST5000* | ST3100* | ST2100* | ST3100C* |
|--------------------------|--|---|---|---|
| Measurement Range | -2.000...20.000 pH -2000.00...+2000.00 mV -30°C...130 °C | -2.00...16.00 pH -1999...1999 mV -5 °C...110 °C | 0.00...14.00 pH -1999...1999 mV 0 °C...100 °C | 00.0 $\mu\text{S}/\text{cm}$...199.9 mS/cm 0.1 mg/l ...199.9 g/l (TDS) 0.00 ... 19.99 psu (Salinity) 0 °C...100 °C |
| Resolution | 0.1/0.01/0.001pH 1/0.1/0.01mV 0.1 °C | 0.01 pH 1 mV 0.1 °C | 0.01 pH 1 mV 0.1 °C | Automatic Range 0.1 °C |
| Error Limits | ± 0.002 pH ± 1 mV ± 0.1 °C | ± 0.01 pH ± 1 mV ± 0.5 °C | ± 0.01 pH ± 1 mV ± 0.5 °C | ± 0.5 % of the Measured Value ± 0.3 °C |
| Calibration | 1-9 points | 3 Points 3 Predefined Buffer Groups | 1 or 2 Points 1 Predefined Buffer Group (4.01, 7.00, 10.01) | 1 Point 4 Predefined Standards |
| Memory | 1000 sets, with 10*10 calibration data, 8 predefined buffer groups and 1 self-define buffer group | 99 Measurements Last Calibration Data | Last Calibration Data | 99 Measurements Last Calibration Data |
| Power Supply | 110-240V/50 Hz, DC 9V | 110-240V/50Hz, DC 12V | 110-240V/50Hz, DC 12V | 110-240V/50Hz, DC 12V |
| Size/Weight | 220 W \times 175 D \times 78 H mm / 0.55 kg | Approximately 220 W \times 175 D \times 78 H mm / 0.75 kg | Approximately 220 W \times 175 D \times 78 H mm / 0.75 kg | Approximately 220 W \times 175 D \times 78 H mm / 0.75 kg |
| Display | Color Touch-Screen LCD | Liquid Crystal Backlight | Liquid crystal | Liquid Crystal Backlight |
| Input | BNC, impedance $>3*10e+12 \Omega$ Cinch, NTC 30 k Ω | BNC, impedance $> 10e+12 \Omega$ Cinch, NTC 30 k Ω | BNC, impedance $> 10e+12 \Omega$ Cinch, NTC 30 k Ω | Mini-Din |
| Temperature Compensation | ATC and MTC | ATC & MTC | ATC & MTC | Linear: 0.00 %/°C...10.00 %/°C Reference Temperature: 20 & 25 °C |
| Housing | ABS | ABS | ABS | ABS |

*Bench meters are available in different packages.

Water Analysis

Starter 400D Dissolved Oxygen Meter

Convenient Portable PH Meter for Wherever Your Work Takes You

- Frequent membrane replacement not needed. Also, warm up and stirring of samples when taking measurements is not required.
- The automatic/manual endpoints enable easy recall of last calibration data and stored information with one touch.
- Simple calibration process offers quick delivery of measurements, and automatic temperature and barometric pressure compensation ensure accurate results.



| Model | Description |
|----------|---|
| ST400D-B | 400D Meter with IP54 Sets, Electrode Clip, Wrist Strap and 4 AAA BATTERIES (ELECTRODE NOT INCLUDED) |
| ST400D | ST400D-B with STDO21 Probe |
| ST400D-G | ST400D-B with STDO21 Optical DO Probe, Portable Bag |

Starter 300 pH Portable

Convenient Portable PH Meter for Wherever Your Work Takes You

- Each time the meter is calibrated, icons appear on the display to confirm the accuracy of the calibration process so you can ensure accurate measurement
- Auto buffer recognition stores calibration data and helps to avoid errors during the calibration process
- Automatic and manual temperature compensation helps ensure accurate readings



| Model | Description |
|----------|--|
| ST300-B | 300 Meter (with IP54 Sets, Electrode Clip, Wrist Strap and 4 AAA Batteries) |
| ST300 | ST300-B, ST320 3-in-1 Plastic Gel pH Electrode, and pH Buffer Powder Sachet |
| ST300D-G | ST300D-B with STDO11 Galvanic DO Probe, STTEMP30 Temperature Probe, Portable Bag |

Starter 300C Conductivity Portable

Convenient Portable Conductivity Meter for Wherever Your Work Takes You

- The 4-pole linear electrode offers a large conductivity range that safeguards itself from polarization and pollution effects
- Automatic temperature compensation with an adjustable temperature coefficient



| Model | Description |
|----------|---|
| ST300C-B | 300C Meter (with 2 Small Bottles of Standard Conductivity Solution - 1413 $\mu\text{S}/\text{cm}$ and 12.88ms/cm, IP54 Sets, Electrode Clip, Wrist Strap, 4 AAA Batteries) |
| ST300C | ST300C-B, with STCON3 4-Ring Conductivity Electrode (70 $\mu\text{S}/\text{cm}$ -200ms/cm) |
| ST300C-G | ST300C-B, STCON3 4-Pole Conductivity Probe (70 $\mu\text{S}/\text{cm}$ - 200 mS/cm), Portable Bag |

Water Analysis

Starter 300D Dissolved Oxygen Portable

Convenient Portable Dissolved Oxygen Meter for Wherever Your Work Takes You

- Each time the meter is calibrated, icons appear on the display to confirm the accuracy of the calibration process so you can ensure accurate measurement
- Push-button toggling between ppm, mg/L and percentage
- The galvanic electrode can be used immediately after being powered on without the wait time typically associated with dissolved oxygen meters



| Model | Description |
|----------|--|
| ST300D-B | 300D Meter (with IP54 Sets, Electrode Clip, Wrist Strap and 4 AAA Batteries) |
| ST300D | ST300D-B with STDO11 Galvanic DO Electrode, and STTEMP30 Temperature Electrode |
| ST300D-G | ST300D-B with STDO11 Galvanic DO Probe, STTEMP30 Temperature Probe, Portable Bag |

Portable Meter Specifications

| Model | ST400D* | ST300* | ST300C* | ST300D* |
|--------------------------|--|--|--|---|
| Measurement Range | 0.0 to 200.0% 0.00 to 20.0mg/L(ppm) 0 to 50 °C | 0.00... 14.00 pH -1999... 1999 mV 0 °C...100 °C | 0.0 µS/cm... 199.9 mS/cm 0.1 mg/l... 199.9 g/l (TDS) 0 °C...100 °C | 0.0 to 199.9%; 200 to 400% 0.00 to 19.99; 20.0 to 45.0 mg/L 0.00 to 19.99; 20.0 to 45.0 ppm 0 to 50 °C |
| Measurement Resolution | 0.1% 0.01 mg/L(ppm) 0.1 °C | 0.01 pH 1 mV 0.1 °C | Automatic Range 0.1 °C | 0.1%; 1% 0.1 mg/L; 1 mg/L 0.01 ppm; 0.1 ppm 0.1 °C |
| Barometric Range | 50.0 to 115.0 kPa | NA | NA | 375 to 825 mmHg 500 to 1100 mbar 500 to 1100 hPa |
| Barometric Resolution | 0.1Kpa | NA | NA | 1 mmHg 1 mbar 1 hPa |
| Error Limits | ± 0.2 mg/L (<8 mg/L), ± 0.3 mg/L (8 to 20 mg/L); ± 0.3 °C ± 1.5 Kpa | ± 0.01 pH ± 1 mV ± 0.5 °C | ± 0.5 % of the Measured Value ± 0.3 °C | ± 1% ; ± 0.3 °C |
| Calibration | 1 point or 2 points | 1-3 Points 4 Predefined Buffer Groups | 1 Point 4 Predefined Standards | 1 or 2 Points 100% and 0% |
| Memory | 99 sets, Last Calibration Data | 30 Measurements Last Calibration Data | 30 Measurements Last Calibration Data | 30 Measurements Last Calibration Data |
| Power Supply | 4 x AAA(LR03) Batteries, 12 hrs | 4 AAA > 500 Operating Hours | 4 AAA > 250 Operating Hours | 4 AAA > 250 Operating Hours |
| Size/Weight | Approximately 90 W x 150 D x 35 H mm / 0.16 kg (Without Batteries) | Approximately 90 W x 150 D x 35 H mm / 0.18 kg (Without Batteries) | Approximately 90 W x 150 D x 35 H mm / 0.16 kg (Without Batteries) | Approximately 90 W x 150 D x 35 H mm / 0.18 kg (Without Batteries) |
| Display | Liquid Crystal | Liquid Crystal | Liquid Crystal | Liquid Crystal |
| Input | Mini-DIN | BNC, Impedance > 10e+12 Ω Cinch, NTC 30 kΩ | Mini-Din | BNC, Cinch, NTC 30 kΩ |
| Temperature Compensation | ATC | ATC & MTC | ATC, Linear: 0.00 %/°C... 10.00 %/°C Reference Temperature: 20 & 25 °C | ATC & MTC |
| Salinity Compensation | 0.0 to 40.0 ppt | NA | NA | 0.0 to 50.0 ppt |
| IP Protection | IP54 | IP54 | IP54 | IP54 |
| Housing | ABS | ABS | ABS | ABS |

Water Analysis

Starter Pen Meters

OHAUS Pen Meters Provide Accurate Measurement of PH, Oxidation-Reduction Potential (ORP), Conductivity, Salinity and Total Dissolved Solids (TDS).

- Simple Operation in a Slim and Portable Design—Starter pen meters provide what should be expected of a small pen meter: simple, fast, straightforward, no-frills yet highly accurate operation time and time again.
- Durably Constructed to Withstand Wear and Tear Resulting from Repetitive use— With durable plastic housing, a protective cap that safeguards the sensor and an automatic shut-down feature to preserve battery life (6 minutes of non-use), the Starter pen meters can endure consistent use in rugged environments.
- Waterproof Housing Protects the Meters in their Working Environment— Equipped with a wrist strap that helps to prevent unintentional dropping, Starter pen meters are constructed with an IP67 waterproof design that can prevent water damage when accidentally dropped into liquid.
- All pen meters meet CE requirement and comply with FCC Part 15 Class B emissions.



All the pen meters pre-installed 4 AG13 1.5V micro alkaline batteries which are easily to be replaced.

pH Pen

Convenient PH Testing

Two models with varying resolution and accuracy, ST10 and ST20 offer a convenient way to measure pH, or the relative acidity or alkalinity of a sample at a given temperature. The pH pen meters can be completely operated with just one hand, freeing up your other hand to handle samples.

| Model | ST20 | ST10 |
|--------------------------|-------------------|----------|
| Range | 0.00-14.00 | 0.0-14.0 |
| Resolution | 0.01pH | 0.1pH |
| Accuracy | 0.05pH | 0.1pH |
| Temperature Range | 0.0-99.0 °C | NA |
| Temperature Compensation | Yes | NA |
| Display | Dual | Single |
| Calibration | 3 Point | NA |
| Buffer Group | 4.01, 7.00, 10.01 | NA |



Water Analysis

ORP Pen

Portable ORP Measurement

ST10R and ST20R can bring measurement of ORP to virtually anywhere your need for the measurement of the availability of electrons in a liquid lies. Both models provide almost instantaneous results and the ST20R offers the ability to freeze the reading right on the display to provide additional time for data logging.

| Model | ST20R | ST10R |
|--------------------------|----------------|----------------|
| Range | -1000mV-1000mV | -1000mV-1000mV |
| Resolution | 1mV | 1mV |
| Accuracy | 2mV | 2mV |
| Temperature Range | 0.0-99.0 °C | NA |
| Temperature Compensation | Yes | NA |
| Display | Dual | Single |
| Calibration | NA | NA |



DO Pen

Simple and Fast Dissolved Oxygen (DO) Measurement

The perfect DO Meter for every application that requires portable operation and quick results. With IP67 waterproof design and automatic shutdown feature that preserves battery life, the Starter DO Meters can endure consistent use in rugged environments.

| Model | ST20D |
|-------------------------------------|--------------------------------------|
| Measurement Range | 0.0 – 19.9 mg/L |
| Resolution | 0.1 mg/L |
| Accuracy | ± 0.5 mg/L |
| Battery | 4 AG13 1.5V Micro Alkaline Batteries |
| Dimension | 185 × 42 × 37 mm |
| Weight | 90 g |
| Auto-off | After 15 Minutes of Inactivity |
| Auto Temperature Compensation Range | 5 to 45 °C (41 to 113 °F) |
| Materials | ABS |



Water Analysis

Conductivity Pen

Small But Productive Conductivity Meters

Starter pen meters are the choice for basic testing needs of the total ionic concentration within a solution. With six models that can measure within three different conductivity ranges, there is a Starter conductivity meter for every application that requires portable operation and quick results.

| Model | ST20C-C | ST20C-B | ST20C-A | ST10C-C | ST10C-B | ST10C-A |
|------------|--------------------------|--------------|-----------------|-----------------------------|--------------|-----------------|
| Range | 0.00-19.99 ms/cm | 0-1999 us/cm | 0.0-199.9 us/cm | 0.00-19.99 ms/cm | 0-1999 us/cm | 0.0-199.9 us/cm |
| Resolution | 10 us/cm | 1 us/cm | 0.1 us/cm | 10 us/cm | 1 us/cm | 0.1 us/cm |
| Accuracy | ±1.5% FS | ±1.5% FS | ±1.5% FS | ±2.5% FS | ±2.5% FS | ±2.5% FS |
| ATC | With Temperature Display | | | Without Temperature Display | | |
| Display | Dual | Dual | Dual | Single | Single | Single |



Salinity Pen

Simple Salinity Measurement

Starter pen meters combine all of the most useful features for measuring salinity, or the dissolved salt content in a liquid medium. With the combination of quality construction and sturdy design, Starter pen meters will provide durable operation in even tougher environments.

| Model | ST20S | ST10S |
|------------|--------------------------|-----------------------------|
| Range | 0.0-80.0 ppt | 0.0-10.0 ppt |
| Resolution | 0.0-50.0 ppt | 0.1 ppt |
| Accuracy | ±1.5% FS | ±2.5% FS |
| ATC | With Temperature Display | Without Temperature Display |
| Display | Dual | Single |



TDS Pen

Complete TDS Meters









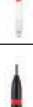




When you need reliable and accurate measurement of TDS, the Starter pen meters offer a great value in a portable and compact design. Bring the Starter TDS meter wherever your need to measure the combined content of all organic and inorganic substances in a liquid takes you.

| Model | ST20T-B | ST20T-A | ST10T-B | ST10T-A |
|------------|--------------------------|--------------------------|-----------------------------|-----------------------------|
| Range | 0-1000 mg/L | 0.0-100.0 mg/L | 0-1000 mg/L | 0.0-100.0 mg/L |
| Resolution | 1 mg/L | 0.1 mg/L | 1 mg/L | 0.1 mg/L |
| Accuracy | ±1.5% FS | ±1.5% FS | ±2.5% FS | ±2.5% FS |
| ATC | With Temperature Display | With Temperature Display | Without Temperature Display | Without Temperature Display |
| Display | Dual | Dual | Single | Single |










Water Analysis

Sensor specifications

| Sensor Type | Picture | Model | Description | Shaft Material Refillable | Shaft dimension Cable length | Measurement range and accuracy | Temp. Range | Application Area/Features | Connector |
|-------------|---|----------|----------------------------|---------------------------|------------------------------|--------------------------------|-------------|--|------------|
| pH |  | ST350 | 3-in-1 within temp. sensor | glass refillable | 120 × 12mm 1m | 0--14pH | 0-100°C | Normal samples with ATC; as well as high temperature, organic etc. | BNC +Cinch |
| |  | ST320 | 3-in-1 within temp. sensor | plastic non-refillable | 120 × 12mm 1m | 0--13pH | 0-80°C | Normal samples with ATC | BNC +Cinch |
| |  | ST310 | 3-in-1 within temp. sensor | plastic refillable | 120 × 12mm 1m | 0--14pH | 0-80°C | Normal samples with ATC | BNC +Cinch |
| |  | ST270 | 2-in-1 | plastic refillable | 120 × 12mm 1m | 0--14pH | 0-80°C | Normal samples with ATC | BNC +Cinch |
| |  | ST260 | 2-in-1 | glass refillable | 120 × 12mm 1m | 0--14pH | 0-80°C | Tris-buffer solution | BNC |
| |  | ST230 | 2-in-1 | glass refillable | 110 × 12mm 1m | 0--14pH | 0-100°C | Muddy samples (milk, juice...) | BNC |
| |  | ST210 | 2-in-1 | plastic refillable | 120 × 12mm 1m | 0--14pH | 0-80°C | Normal samples | BNC |
| |  | STPURE | 2-in-1 | glass refillable | 120 × 12mm 1m | 0--13pH | 0-100°C | low conductivity samples (pure water, distilled water, rain water..) | BNC |
| |  | STSURF | 2-in-1 | plastic refillable | 120 × 12mm 1m | 2--12pH | 0-80°C | Flat surface such as skin, paper etc. | BNC |
| |  | STMICRO5 | 2-in-1 | glass refillable | 80 × 5mm 1m | 0--14pH | 0-100°C | Mico samples in tube or microcentrifuge tube | BNC |
| |  | STMICRO8 | 2-in-1 | glass refillable | 150 × 8mm 1m | 0--14pH | 0-100°C | Mico samples in tube or microcentrifuge tube | BNC |
| Reference |  | STREF2 | SCE | glass refillable | 120 × 12mm 1m | NA | 0-50°C | E Vs SHE is 0.241V | 2mm banana |
| |  | STREF1 | Ag AgCl | glass refillable | 110 × 12mm 1m | NA | 0-100°C | E Vs SHE is 0.198V | 2mm banana |

Water Analysis

Sensor specifications

| Sensor Type | Picture | Model | Description | Shaft Material Refillable | Shaft dimension Cable length | Measurement range and accuracy | Temp. Range | Application Area/Features | Connector |
|------------------|---|----------|--------------------------------|---------------------------|------------------------------|--------------------------------|-------------|---|-----------|
| ORP |  | STORP1 | Pt disk | plastic non-refillable | 120 × 12mm 1m | -1000mV--1000mV 1mV | 0-80°C | Normal samples | BNC |
| |  | STORP2 | Pt band | glass refillable | 120 × 12mm 1m | -1000mV--1000mV 1mV | 0-100°C | Can endure high temperature and organic solvents | BNC |
| Conductivity |  | STCON3 | 4-pole sensor with temp sensor | Plastic | 130 × 14mm 1m | 70µS/cm-200mS/cm 0.5% | 0-50°C | Normal samples | Mini-Din |
| |  | STCON7 | 2-pole sensor with temp sensor | Plastic | 95 × 12mm 1m | 0.02µS/cm-200µS/cm 0.5% | 0-50°C | Pure water, not fit for ultra-pure water | Mini-Din |
| Dissolved Oxygen |  | STDO11 | Galvanic | Plastic | 120 × 12mm 1m | 0-45mg/L | 0-50°C | Normal samples, no warm up needed, no maintenance | BNC |
| |  | STDO21 | Optical | Plastic | 125 × 13mm 1m | 0-20mg/L | 0-60°C | low maintenance, no need stirring samples | Mini-Din |
| Temperature |  | STTEMP30 | NTC 30KΩ | Steel | 120 × 3mm 1m | 0-100°C 0.5°C | 0-100°C | Can work with ST300, ST300D, ST2100 and ST3100 | Cinch |

Solution and Buffers

| OHAUS # | Description |
|----------|--|
| 30100424 | pH1.68, 250ml per bottle |
| 30100425 | pH4.01, 250ml per bottle |
| 30100426 | pH6.86, 250ml per bottle |
| 30100427 | pH7.00, 250ml per bottle |
| 30100428 | pH9.18, 250ml per bottle |
| 30100429 | pH10.01, 250ml per bottle |
| 30100440 | pH12.45, 250ml per bottle |
| 30100441 | Cond 10 µS/cm, 250ml per bottle |
| 30100442 | Cond 84 µS/cm, 250ml per bottle |
| 30100443 | Cond 1413 µS/cm, 250ml per bottle |
| 30100444 | Cond 12.88 µS/cm, 250ml per bottle |
| 83033971 | pH buffer powder Sachet(4.01;7.00;10.01) |
| 30059255 | pH electrode reference electrolyte |
| 30059256 | pH electrode protection solution |



Mini Centrifuge

Frontier™ 5306

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

- A Quiet Motor and Rubber Base Assure Quiet Operation
- Multiple Protective Features Ensure the Safety of Centrifuge Operators, with two safety switches, imbalanced sensor, sturdy lid, Frontier™ 5306 could shut down immediately while the centrifuge open up or become imbalanced
- Simple One-Step Operation, Frontier™ 5306 takes simple operation to a new level. Not even one button press is needed in order to separate your sample or replace the rotor



| Model | FC5306 | |
|------------------------|--|--|
| Rotor | Angle Rotor | Tube Bank Rotor |
| Rotating Speed Scope | 6000 rpm | |
| Centrifugal Force | 2000 g | |
| Rotating Direction | Counterclockwise | |
| Maximum Capacity | 8 × 1.5 ml / 2 ml | 4 × 0.2 ml-PCR 8-tube bank |
| | | or 32 × 0.2 ml single centrifugal tube |
| Adapter | 0.2 ml / 0.5ml | — |
| Accelerating Time | ≤2 s | |
| Decelerating Time | ≤3 s | |
| Power Supply | Input: 100-240V ~ 50/60Hz 1.5A Output: 24V 2.0A | |
| Dimensions (W × D × H) | 150 × 168 × 128 mm | |



Frontier 5306 with safety switch



Frontier 5306 with different rotors

Multi Centrifuge

Frontier™ 5706

Reliable and Compact Multi-Function Centrifuge For Standard Life Science Separation Applications

- Extremely Simple and Intuitive Operation, with an easy-to-turn control knob, a large LCD display and the capabilities to set and view both speed in rpm and g-force.
- Compatibility with Test Tubes of Various Sizes, has a large capacity, and can hold six 50 mL tubes and twelve 15 mL tubes during one process.
- Several Safety Features that Protect Against Injury, among Frontier 5706's safety attributes are sturdy mechanical lid with locking system and a rotor imbalance sensor.



| Model | FC5706 | |
|--------------------------------------|---|------------------|
| Speed Range | 200 rpm - 6000 rpm; 50 rpm/set | |
| Maximum RCF | 4427 x g; 10 x g/set | |
| Maximum Capacity (Rotor) | 6 x 50 mL | |
| Temperature range | Air cool | |
| Running Time | 10 sec to 99 hr 99 min 99 sec or continuous | |
| Noise level (depending on the rotor) | ≤ 60 +2 dB(A) | |
| AC Power | 230 V / 50-60 Hz | 120 V / 50-60 Hz |
| Voltage Fluctuation | ± 10 % | ± 10 % |
| Current Consumption | 0.55 A | 1.1 A |
| Power Consumption | 100 W | 100 W |
| EMC | EN/IEC 61326-1 Class B emissions, Basic immunity FCC Class B emissions | |
| Dimensions (W x D x H) | 291 x 392 x 266 mm | |



FC5706 family



FC5706 with tube adapters

High-Speed Microliter Centrifuges

Frontier™ 5515 & 5515R

Smooth and Dependable High-Speed Microliter Centrifuge for Liquid Separation Applications

- Easy-to-Use Control Panel that Supports Simple Operation, with rotary knob puts the centrifuge's simple operations at your fingertips, including the ability to set and recall speed and g-force, as well as control the temperature (FC5515R only).
- Sophisticated Technology that Drives High-Performance, a powerful brushless induction motor, 10 acceleration and deceleration settings, and memory for up to 99
- Several Safety Features that Protect Against Injury.
- Seven Rotor Sizes that Provide Flexibility for Varied Centrifugation Needs.



| Model | FC5515R | | FC5515 | |
|-------------------------------|---|----------------|---|----------------|
| Speed Range | 200 rpm - 15200 rpm; 10 rpm/set | | 200 rpm - 15200 rpm; 10 rpm/set | |
| Maximum RCF | 21953 × g; 10 × g/set | | 21953 × g; 10 × g/set | |
| Maximum Capacity (Rotor) | 44 × 1.5/2.0mL; 12 × 5mL | | 44 × 1.5/2.0mL; 12 × 5mL | |
| Temperature Range | -20° to 40°C, 1°C/set | | Air cool | |
| Running Time | 10 sec to 99 hr 99 min 59 sec or continuous | | 10 sec to 99 hr 99 min 59 sec or continuous | |
| Noise Level (varies by rotor) | ≤ 57 + 2 dB(A) | | ≤ 60 + 2 dB(A) | |
| AC Power | 230 V/50-60 Hz | 120 V/50-60 Hz | 230 V/50-60 Hz | 120 V/50-60 Hz |
| Fluctuation | ± 10% | ± 10% | ± 10% | ± 10% |
| Current Consumption | 2.4 A | 5.1 A | 1.3 A | 2.3 A |
| Power Consumption | 500 W | 560 W | 270 W | 280 W |
| Dimensions (W × D × H) | 287 × 561 × 292 mm | | 287 × 393 × 292 mm | |



Easy-to-Use Control Panel



Safety Features that Prevent Injury



Flexibility for Varied Centrifugation Needs

Pipetting

Across Pro Pipette

Combine Precision, Comfort, and Durability

- Built to Last and Withstand Heavy Use.
- Reliable, Accurate, and Reproducible Results with Each Use.
- Designed to Support Ergonomic Safety and Maximum Comfort



| | Volume Range | Volume μL | Increment μL | Accuracy % | Accuracy $\mu\text{L} (\pm)$ | Precision % | Precision $\mu\text{L} (\pm)$ |
|---------|--------------------------|----------------------|-------------------------|----------------------|------------------------------|------------------------|-------------------------------|
| AO-2 | 0.1 - 2 μL | 0.2 1.0 2.0 | 0.002 | 12 2.7 1.5 | 0.024 0.027 0.030 | 6 1.3 0.7 | 0.012 0.013 0.014 |
| AO-10 | 0.5 - 10 μL | 1 5 10 | 0.02 | 2.5 1.5 1 | 0.025 0.075 0.1 | 1.2 0.6 0.4 | 0.012 0.03 0.04 |
| AO-20 | 2 - 20 μL | 2 5 10 20 | 0.02 | 7.5 3 1.5 1 | 0.15 0.15 0.15 0.2 | 2 0.9 0.5 0.3 | 0.04 0.045 0.05 0.06 |
| AO-100 | 10 - 100 μL | 10 50 100 | 0.2 | 3.5 0.8 0.8 | 0.35 0.4 0.8 | 1 0.24 0.15 | 0.1 0.12 0.15 |
| AO-200 | 20 - 200 μL | 20 100 200 | 0.2 | 2.5 0.8 0.8 | 0.5 0.8 1.6 | 1 0.25 0.15 | 0.2 0.25 0.3 |
| AO-1000 | 100 - 1000 μL | 100 500 1000 | 2 | 3 0.8 0.8 | 3 4 8 | 0.6 0.2 0.15 | 0.6 1 1.5 |
| AO-5000 | 500 - 5000 μL | 500 2500 5000 | 2 | 2.4 0.6 0.6 | 12 15 30 | 0.6 0.2 0.16 | 3 5 8 |
| AO-10mL | 1 - 10mL | 1mL 5mL 10mL | 20 | 5 1 0.6 | 50 50 60 | 0.6 0.2 0.16 | 6 10 16 |



Across Pro Pipette_family in stand



Across Pro Pipette_micrometer



Across Pro Pipette_Color Coded Plunger Buttons

Pipetting

Pipette Tips

Highest Quality Yet Affordable Pipette Tips

- Top grade Polypropylene material, chemically stable.
- Sterile tips, including all filtered tips, are free of DNA, DNase, RNase, ATP, and Endotoxin.
- Premium tooling and molding facility, tips have very low liquid retention.
- Unique extended length design makes it easy to reach into long tubes, also protects pipette shafts from cross contamination.



| Filtered Tips | | |
|--|--|--|
| Model | Description | Packaging |
| PCR-10MF | 0.1 – 10 µl, Filtered tips, clear, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-10F | 0.5 – 10 µl, Filtered tips, clear, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-200F | 2 – 200 µl, Filtered tips, yellow, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-1000F | 100 – 1000 µl, Filtered tips, blue, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| Non-Filtered Tips 0.1 – 10µl, 32mm Compatible OHAUS Pipettes: AO-2, AO-10 | | |
| PCB-10M | 0.1 – 10 µl, Bulk tips, clear, non-sterile | 10 bags in a case, 1000 tips per bag |
| PCR-10M | 0.1 – 10 µl, Racked tips, clear, non-sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-10MS | 0.1 – 10 µl, Racked tips, clear, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCS-10M | 0.1 – 10 µl, Stacked tips, clear, non-sterile | 12 packs in a case, 5 stacks of 96 tips per pack |
| Non-Filtered Tips (Extra-long) 0.5 – 10µl, 44mm Compatible OHAUS Pipettes: AO-2, AO-10 | | |
| PCB-10 | 0.5 – 10 µl, Bulk tips, clear, non-sterile | 10 bags in a case, 1000 tips per bag |
| PCR-10 | 0.5 – 10 µl, Racked tips, clear, non-sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-10S | 0.5 – 10 µl, Racked tips, clear, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCS-10 | 0.5 – 10 µl, Stacked tips, clear, non-sterile | 12 packs in a case, 5 stacks of 96 tips per pack |
| 2 – 200 µl, 50mm Compatible OHAUS Pipettes: AO-20, AO-100, AO-200 | | |
| PCB-200 | 2 – 200 µl, Bulk tips, yellow, non-sterile | 10 bags in a case, 1000 tips per bag |
| PCR-200 | 2 – 200 µl, Racked tips, yellow, non-sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-200S | 2 – 200 µl, Racked tips, yellow, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCS-200 | 2 – 200 µl, Stacked tips, yellow, non-sterile | 12 packs in a case, 5 stacks of 96 tips per pack |
| 100 – 1000 µl, 101mm Compatible OHAUS Pipette: AO-1000 | | |
| PCB-1000 | 100 – 1000 µl, Bulk tips, blue, non-sterile | 10 bags in a case, 1000 tips per bag |
| PCR-1000 | 100 – 1000 µl, Racked tips, blue, non-sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCR-1000S | 100 – 1000 µl, Racked tips, blue, sterile | 5 packs in a case, 10 racks of 96 tips per pack |
| PCS-1000 | 100 – 1000 µl, Stacked tips, blue, non-sterile | 12 packs in a case, 5 stacks of 96 tips per pack |
| 500 – 5000 µl, 100mm Compatible OHAUS Pipette: AO-5000 | | |
| PCB-5000 | 500 – 5000 µl, Bulk tips, clear, non-sterile | 4 bags in a case, 250 tips per bag |
| 1 – 10ml, 160mm Compatible OHAUS Pipette: AO-10ML | | |
| PCB-10ML | 1 – 10 ml, Bulk tips, clear, non-sterile | 4 bags in a case, 50 tips per bag |
| Tip BOX | | |
| Tip BOX-10 | Tips racks for 10 µl tips | 5 packs in a case, 10 racks per pack |
| Tip BOX-200 | Tips racks for 200 µl tips | 5 packs in a case, 10 racks per pack |
| Tip BOX-1000 | Tips racks for 1000 µl tips | 5 packs in a case, 10 racks per pack |

Application Selector

Cross Reference Chart

| | Analytical & Precision | | | | | | Portable | | | | |
|------------------------|-------------------------|-----------|------------------------------|--------------------|----------|-----------|------------|------------|---------|-----------|----|
| | Explorer® Semi-Micro | Explorer® | Explorer® Pro Hi-Capacity | Adventurer® Pro | Pioneer® | MB Series | Navigator® | Scout® Pro | Compact | Hand-Held | CL |
| General Weighing | • | • | • | • | • | • | • | • | • | • | • |
| Parts Counting | • | • | • | • | • | | • | • | | | |
| Percent Weighing | • | • | • | • | • | | • | • | | | |
| Checkweighing | • | • | • | • | | | • | | | | |
| Below Balance | • | • | • | • | • | | | • | | | |
| Dynamic Weighing | • | • | • | • | | | | | | | |
| Filling | • | • | • | | | | | | | | |
| Totalization | • | • | | • | | | • | • | | | |
| Gross/Net/Tare | • | • | • | | | | | | | | |
| Statistics | • | • | • | | | • | | | | | |
| Formulation | • | • | • | | | | | | | | |
| Differential Weighing | • | • | • | | | | | | | | |
| Display Hold | • | • | | • | | | • | • | | | |
| Density Determination | • | • | | | | | | | | | |
| Pipette Calibration | • | • | | | | | | | | | |
| GLP/GMP | • | • | • | • | | • | | | | | |
| High Point | • | • | | | | | | | | | |
| Moisture Determination | | | | | | • | | | | | |
| SQC | • | • | | | | | | | | | |
| NTEP Certified | Optional | Optional | | Optional | | | Optional | | | | |

Industrial Product Family

Cross Reference Chart

| Bench Scales | Compact /Counting Scales | Food Scales | Floor /Shipping Scales | Indicators |
|---|---|---|---|--|
|  Defender™ 7000 |  Ranger™ 7000 |  Valor™ 7000 |  VE Floor Scales |  7000 Series |
| Defender™ 5000 | Ranger™ (Count) 4000 | FD | ES / SD Shipping Scales | 5000 Series |
| Champ CKW | Ranger™ (Count) 2000 | Valor™ 4000 | | CKW55 |
| Defender™ 3000 | Ranger™ (Count) 1000 | Valor™ 2000 | | 3000 Series |
| Defender™ 2000 | | Valor™ 1000 | | 2000 Series |



Corporate
Website

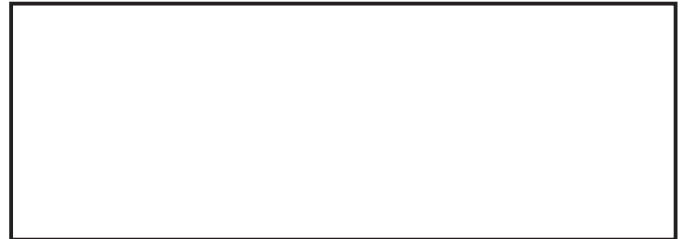


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