



# Laboratory

*High Performance Balances and Scales*



## *Ingeniously Practical*

**ISO 9001:2008**

**Registered Quality Management System**

**Not all products available for Asia Pacific countries**

**2011-2012**



## OHAUS

For over 100 years OHAUS Corporation has been a global leader in the manufacture and design of balances and scales. Known worldwide for accuracy and durability, our products are designed with the features needed today and the flexibility to meet the needs of tomorrow.

Headquartered in the United States, OHAUS has offices in Europe, Asia and Latin America. Authorized dealers around the world provide superior customer service and quality products for our customers.

An ISO 9001:2008 registered manufacturer, OHAUS is dedicated to excellence in customer service and product performance.

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## APPLICATION SELECTOR

Product Features	Analytical & Precision						Portable				
	Discovery	Explorer®	Explorer® Hi-Capacity	Adventurer™ Pro	Pioneer™	MB Series	Scout® Pro	Navigator®	CS	CL	Hand-Held
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							



Advanced dual mass AutoCal™



Discovery shown with optional density determination kit.

## DISCOVERY

The professional's choice for analytical applications

- ✓ **SmarText™ Software guides users through application use and balance setup**
- ✓ **Best weighing performance in its price class**
- ✓ **mg, g, ct, oz, ozt, GN, dwt, m, t HK, t SG, t TW, custom unit**
- ✓ **Advanced Dual Mass AutoCal™**

This family of durable, reliable balances delivers the performance and precision you would expect to find only in premium-priced balances.

The OHAUS Discovery series of semi-micro and analytical balances combine unmatched weighing performance with OHAUS' innovative SmarText™ software, making it extremely reliable and easy-to-use. The Discovery features durable glass and steel construction and together with advanced AutoCal™ internal calibration make it the best performing balance in its class.



OIML  
Approved  
(Optional)

Parts Counting	Dynamic/Animal weighing	Check-Weighing	Percent Weighing	Totalization	Hi Point	Statistics	Internal Calibration
Pipette Calibration	Gross/Net/Tare	Density Determination	Time/Date	GLP Data Output	Weigh Below Hook	Backlight	RS232 Interface

Model	DV114C	DV214C	DV314C	DV215CD
Capacity (g)	110	210	310	81* / 210
Readability (mg)	0.1			0.01* / 0.1
Repeatability (Std. Dev.) (mg)	0.1		0.2	0.02* / 0.1
Linearity (mg)	±0.2		±0.5	±0.03* / 0.2
Pan Size (in/cm)	3.5 / 9 Diameter			
Dimensions (WxHxD) (in/cm)	7.9 × 11.8 × 18 / 20 × 30 × 45.7			
Span Mass (g)	100	200	200	200

\*DualRange™

### Discovery Accessories

OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Discovery
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Discovery
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500524	RS232 Cable, PC 25 Pin to Discovery
80500525	RS232 Cable, PC 9 Pin to Discovery
223147	Plastic Dust Cover for Discovery
12103498	Replacement In-Use Cover for Discovery
223150	Security Device for Discovery
223015	Density Determination Kit for Discovery
80780020	100g Weight ASTM Class I
80780023	200g Weight ASTM Class I



## EXPLORER®

The industry's most easy-to-use balance

- ✓ **SmarText 2.0 software with full color touch screen display guides users through the weighing process**
- ✓ **AutoCal™ automatic balance calibration—no need for external masses**
- ✓ **Touch-free operation—two sensors on the base and two on the display**
- ✓ **QWERTY keyboard and numeric keypad**
- ✓ **Fast stabilization time—up to 50% faster than previous generation**
- ✓ **Superior vibration filtering—provides balance stability in unstable environments**
- ✓ **Frameless, flip-top draftshield provides unobstructed access to the weighing chamber**
- ✓ **Antistatic coated glass helps dissipate static charges**
- ✓ **Library function to store and recall customized applications**
- ✓ **Data Transfer Function helps to output data directly into Microsoft Excel**
- ✓ **Standard USB and RS232 and an optional third port of either RS232 or Ethernet**



Completely re-imagined from the ground up, the OHAUS Explorer rises to a whole new level—a product so extraordinary, it's like nothing you've seen before!

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.



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.



Weighing	Percent Weighing	Dynamic Weighing	Totalization	Differential Weighing	Peak Hold	Parts Counting
Pipette Adjustment	Check Weighing	Filling	Formulation	Density Determination	Ingredient Costing	SQC
OIML Approved (Optional)	NTEP Certified (Optional)	<b>UP TO 11 OPERATING LANGUAGES</b>				

Model	EX124	EX224	EX324
Capacity (g)	120	220	320
Readability (mg)	0.1		
Repeatability std (g)	±0.0001		
Linearity (g)	±0.0002		
PanSize (in/mm)	Ø3.5 / 90		
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		

To learn more about Explorer's features, visit the Explorer microsite at [www.OhausExplorer.com](http://www.OhausExplorer.com)



Frameless, flip-top design provides unobstructed access to the weighing chamber.



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 (0.1mg and 1mg balances)
83021084	Draftshield Kit (0.01g and 0.1g balances)
80850043	Security Device
80251992	Thermal Printer
80252042	Dot Matrix Printer
80500524	Interface Cable, PC 25 pin
80500525	Interface Cable, PC 9 pin
83021085	Interface Cable, USB (Type A to B)
83021081	Second RS232 Kit
83021082	Ethernet Kit
83021086	Foot Switch Kit



Display can be separated from the weighing base. Extension cable accessory extends remote use up to 3m.

















## ADVENTURER™ PRO

The most complete balance in its class

- ✓ **Frameless draftshield for easy access into weighing chamber**
- ✓ **SmarText™ software easily guides users through applications**
- ✓ **QuadraStance™ design for superior stability**
- ✓ **mg, g, kg, lb, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola, custom unit**

The Adventurer Pro has established itself as the industry's most versatile balance. It counts, it sums, it holds and it delivers traceable results. No other balance in its class offers as many features in a compact design.

							
Parts Counting	Dynamic/Animal weighing	Check-weighing	Percent Weighing	Totalization	Display Hold	Time/Date	GLP Data Output
							
Backlight	Weigh Below Hook	Internal Calibration (Optional)	RS232/USB (2 <sup>nd</sup> Interface Optional)	OIML Approved (Optional)	NTEP Certified (Optional)		



Hinged top and sliding side doors allow easy access

Removable front, side and back glass panels



Model w/ InCal	AV64C	AV114C	AV264C
Model w/o InCal	AV64	AV114	AV264
Capacity (g)	65	110	260
Readability (mg)	0.1		
Linearity (mg)	± 0.2		± 0.3
Pan Size (in/cm)	3.5 / 9 Diameter		
Dimensions (WxHxD) (in/cm)	8.7 × 10.8 × 11.8 / 22 × 27.5 × 30		
Span Mass (g)	50	100	250

### Adventurer® Pro Accessories

OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Adventurer Pro
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Adventurer Pro
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500524	RS232 Cable, PC 25 Pin to Adventurer Pro
80500525	RS232 Cable, PC 9 Pin to Adventurer Pro
80253384	Density Determination Kit for Adventurer Pro analytical balances (0.1mg and 1mg) except AV53
80850000	Security Device for Adventurer Pro
12103879	In-Use Cover for Adventurer Pro (large housing)
80850092	RS232 (2nd) Accessory kit for Adventurer Pro
83033014	USB Accessory kit for Adventurer Pro



## PIONEER™

High Performance at an economical price

- ✓ RS232 for data connectivity
- ✓ Easy to clean draftshield with sliding top
- ✓ 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.



Parts Counting



Percent Weighing



Weigh Below Hook



OIML Approved (Optional)



Removable doors for easy access and cleaning



Selectable environmental settings for working in practically any condition



RS232 interface for data connectivity



Built-in security bracket

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 (in/cm)	3.54 / 9 Diameter		
Dimensions (in/cm)	7.7 × 11.3 × 12.6 / 19.6 × 28.7 × 32		
Span Mass (g)	50	100	200

Pioneer™ Accessories	
OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Pioneer
80251932	Paper for Dot Matrix Printer
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80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Pioneer
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500525	RS232 Cable, PC 9 Pin to Pioneer
80500524	RS232 Cable, PC 25 Pin to Pioneer
80251396	Auxiliary Display Kit for Pioneer
80253384	Density Determination Kit for Pioneer analytical balances (0.1mg and 1mg)
80850000	Security Device for Pioneer

**NEW  
BALANCE!**  
NEW ANALYTICAL MODELS  
PAGES 4-5



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Adjustable viewing angle display

 Weighing	 Percent Weighing	 Dynamic Weighing	 Totalization	 Differential Weighing	 Peak Hold	 Parts Counting
 Pipette Adjustment	 Check Weighing	 Filling	 Formulation	 Density Determination	 Ingredient Costing	 SQC
 OIML Approved (Optional)	 NTEP Certified (Optional)					

**UP TO 11  
OPERATING  
LANGUAGES**

Model	EX223*	EX423*	EX623*	EX1103*	EX2202	EX4202	EX6202	EX10202	EX6201	EX10201
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				±0.1	
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

To learn more about Explorer's features, visit the Explorer microsite at [www.OhausExplorer.com](http://www.OhausExplorer.com)





Display can be separated from the weighing base. Extension cable accessory extends remote use up to 3m.



Resistive touch screen display quickly responds to operator's touch

Tower mount accessory available



High resolution, 5.7" color TFT display



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

Explorer® Accessories	
OHAUS #	Description
83021102	Tower Mount for Display
83021083	Display Extension Cable
80253384	Density Determination Kit (0.1mg and 1mg balances)
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83021082	Ethernet Kit
83021086	Foot Switch Kit

Removable windring



1mg models include draftshield.

## ADVENTURER™ PRO

The most complete balance in its class

- ✓ **SmarText™** software easily guides users through applications
- ✓ **QuadraStance™** design for superior stability
- ✓ **mg, g, kg, lb, oz, ozt, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, baht, mesghal, tola, custom unit**

The Adventurer Pro has established itself as the industry's most versatile balance. It counts, it sums, it holds and it delivers traceable results. No other balance in its class offers as many features in a compact design.

Parts Counting	Dynamic/Animal weighing	Checkweighing	Percent Weighing	Totalization	OIML Approved (Optional)	NTEP Certified (Optional)	Display Hold
Time/Date	GLP Data Output	Backlight	Weigh Below Hook	Internal Calibration (Optional)	Battery Power	RS232/USB (2nd Interface Optional)	

Model w/ InCal™	Not Available	AV213C	AV313C	AV212C	AV412C	AV812C	AV2102C	AV3102C	AV2101C	AV4101C	AV8101C
Model w/o InCal	AV53*	AV213	AV313	AV212*	AV412*	AV812*	AV2102	AV3102	AV2101*	AV4101*	AV8101*
Capacity (g)	51	210	310	210	410	810	2100	3100	2100	4100	8100
Readability (g)		0.001		0.01				0.1			
Linearity		±0.002		±0.02				±0.2			
Pan Size w/InCal (in/cm)	Not Available	4.7 / 12 Diameter			6.6 × 7.1 / 16.8 × 18						
Pan Size w/o InCal(in/cm)	3.9/10 Dia.	4.7 / 12 Diameter			5.8 × 6.3 / 14.9 × 16.2		6.6 × 7.1 / 16.8 × 18		5.8 × 6.3 / 14.9 × 16.2		
Dimensions w/InCal (W×H×D) (in/cm)	Not Available	8.7 × 7.5 × 11.8 / 22 × 19 × 30		8.7 × 3.3 × 11.8 / 22 × 8.5 × 30							
Dimensions w/o InCal (W×H×D) (in/cm)	7.5 × 6 × 10 / 19.3×14.4×25.4	8.7 × 7.5 × 11.8 / 22 × 19 × 30		7.6 × 2.8 × 10 / 19.3 × 7.2 × 25.4			8.7 × 3.3 × 11.8 / 22 × 8.5 × 30		7.6 × 2.8 × 10 / 19.3 × 7.2 × 25.4		
Span Mass (g)	50	200	300	200	200	500	2000	3000	2000	2000	5000

\*Battery power capability



USB option



Battery Power option



2-line LCD display with SmarText software.

Adventurer® Pro Accessories	
OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Adventurer Pro
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Adventurer Pro
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500524	RS232 Cable, PC 25 Pin to Adventurer Pro
80500525	RS232 Cable, PC 9 Pin to Adventurer Pro
80253384	Density Determination Kit for Adventurer Pro analytical balances (0.1mg and 1mg) except AV53
80850000	Security Device for Adventurer Pro
12103879	In-Use Cover for Adventurer Pro (large housing)
80850092	RS232 (2nd) Accessory kit for Adventurer Pro
83033014	USB Accessory kit for Adventurer Pro



## PIONEER™

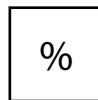
High Performance at an economical price

- ✓ **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**

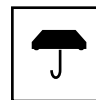
Pioneer—full featured, simple to use. All the quality you have come to expect from OHAUS in an economical package.



Parts Counting



Percent Weighing



Weigh Below Hook



OIML Approved (Optional)



NTEP Certified (Optional)

1mg models include draftshield.

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		±0.03	±0.1
Platform Size (mm)	120 Diameter			180 Diameter		
Dimensions (cm)	19.6 x 28.7 x 32			19.6 x 9.2 x 32		



Selectable environmental settings for working in practically any condition



Built-in security bracket



RS232 interface for data connectivity

Pioneer™ Accessories	
OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Pioneer
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Pioneer
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500525	RS232 Cable, PC 9 Pin to Pioneer
80500524	RS232 Cable, PC 25 Pin to Pioneer
80251396	Auxiliary Display Kit for Pioneer
80253384	Density Determination Kit for Pioneer analytical balances (0.1mg and 1mg)
80850000	Security Device for Pioneer

# 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 employ a bright backlit LCD display.
- ✓ **Halogen or IR heating elements**—MB45/35 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 shutoff criteria to save time and cost.

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



MB45 Dot Matrix display



Pan Handler



Statistics



Moisture Analysis



Multi-language



Time/Date



GLP Data Output



Backlight



RS232 Interface

Model	MB45	MB35	MB25	MB23
Capacity (g)	45	35	110	110
Readability	0.01%/0.001g	0.02%/0.002g	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% (3g sample) 0.05% (10g sample)	0.3% (3g sample) 0.2% (10g sample)
Pan Size (in/cm) Diameter	3.5 / 90 Sample Pan Handler included	3.5 / 90 Sample Pan Handler included	3.5 / 90 Sample Pan Handler included	3.5 / 90 Sample Pan Handler optional
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	Halogen	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 or % solids or weight (g), temperature, time	
Span Mass (g)	20		50	



MB25



MB23



MB25/23 Display



MB25/23 RS232 interface connection

MB Accessories	
OHAUS #	Description
80252042	Dot Matrix Printer
80252571	Cable kit to connect Dot Matrix Printer to Moisture Balance
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252581	Cable kit to connect Thermal Printer to Moisture Balance
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
80500525	RS232 Cable, PC 9 Pin to MB45, MB35, MB23 and MB25
80500524	RS232 Cable, PC 25 Pin to Pioneer
11113857	Temperature Calibration Kit for MB45, MB35, MB25, MB23
80850086	Sample Pans for MB45, MB35, MB25, MB23 (50/box)
80850088	Reusable Sample Pans for MB45, MB35, MB25, MB23 (3/pk)
80850087	Pads, Glass Fiber for MB45, MB35, MB25, MB23 (200/box)
80850043	Security Device for MB45 and MB35
11113873	Sample Pan Handler for MB45, MB35, MB25, MB23
80850085	In-Use Cover for MB45 and MB35

## SCOUT® PRO

Hands Down—the industry's best portable balance

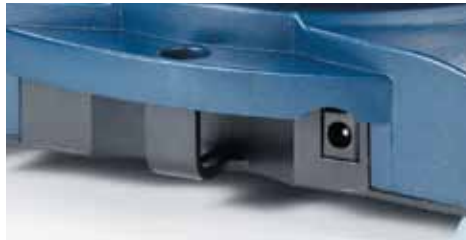
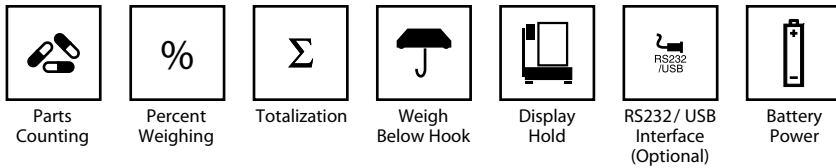
- ✓ Mechanical and software protection provides superior resistance to shock and overloading
- ✓ Easy, snap-in RS232 or USB interface accessory
- ✓ g, kg\*, oz, ozt, lbs and combined lb:oz display\*\*, dwt
- ✓ Software lock switch and integrated transportation lock

Designed for use in laboratory applications, the Scout Pro features easy-to-use two-button operation, a high-contrast LCD display, multiple weighing units, four application modes. And with the option of either RS232 or USB connectivity, the OHAUS Scout Pro is the portable balance for your needs!

\*kg available in models SP202, SP402, SP602, SP401, SP601 \*\*lbs and lb:oz available in models SP202, SP402, SP401



Mechanical and software overload protection

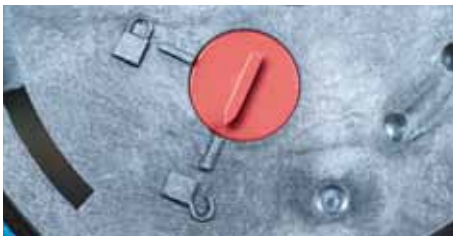


Integrated security bracket accommodates accessory security device.



Internal RS232 or USB port with integrated cable.

Model	SPS202	SPS402	SPS602	SPS401	SPS601	SPS2001	SPS4001	SPS6001	SPS6000
Capacity (g)	200	400	600	400	600	2000	4000	6000	6000
Readability (g)	0.01			0.1			1		
Linearity	±0.01		±0.02	±0.1			±0.02	±1	
Pan Size (in/cm)	4.7 / 12 Diameter				6.5 × 5.5 / 16.5 × 14.2				
Dimensions (W×H×D) (in/cm)	7.56 × 2.13 × 8.27 / 19.2 × 5.4 × 21								
Span Mass (g)	200	200	300	200	300	2000	4000	6000	4000



Transportation lock

Scout® Pro Accessories	
OHAUS #	Description
80252042	Dot Matrix Printer
80251934	Adapter, RS232 Scout Pro Interface to the Dot Matrix Printer
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80251930	Adapter, RS232 Scout Pro Interface to the Thermal Printer
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
83032107	RS232 Interface KIT, SP, TA, NV
83032108	USB Interface KIT, SP, TA, NV
80251395	Auxiliary Display Kit for Scout Pro
80850000	Security Device for Scout Pro
71168909	Scout Pro In-Use Cover, Set of 3
80850028	Hard Shell Carry Case for Scout Pro

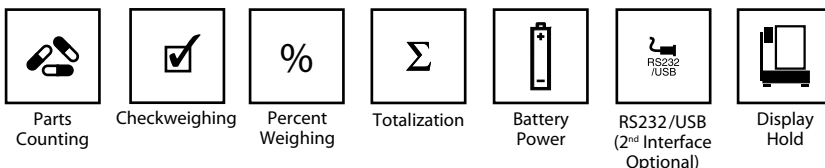
# NEW BALANCE!

## 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
- ✓ One second stabilization time providing 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.



Navigator

Navigator <sup>1</sup>	NV212	NV511	NV1101	NV2101	NV4101	NV5101
Capacity (g)	210	510	1100	2100	4100	5100
Readability (g)	0.01	0.1	0.1	0.1	0.2	0.5
Linearity (g)	±0.02	±0.2	±0.2	±0.2	±0.4	±1
Span Calibration Mass	200 g	300 g	500 g	1 kg	2 kg	3 kg
Battery Power	4 AA (LR6) batteries (not supplied)					
Pan Size (W x D) mm	Ø120	190 x 138				
Scale Dimensions (W x D x H) mm	204 x 212 x 58					
Application Modes (Includes XL & XT)	Weighing, Percent Weighing, Parts Counting, Check Weighing, Display Hold, Accumulate					
Weighing Units (Includes XL & XT)	ct, g, kg, gm, lb, oz, lb:oz, ozt, N, dwt, tael(3), tola, tical					



Navigator XL

Navigator XL <sup>1</sup>	NVL511	NVL1101	NVL2101	NVL5101	NVL10000	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

Navigator XT <sup>1</sup>	NVT1601	NVT3201	NVT6401	NVT10001	NVT16000
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				

Note1: No "/"=LCD display  
 /1= LCD display with factory installed rechargeable battery option  
 /2=LED display  
 /3=LED display with factory installed rechargeable battery option

To learn more about Navigator's features, visit the Navigator microsite at [www.OhausNavigator.com](http://www.OhausNavigator.com)



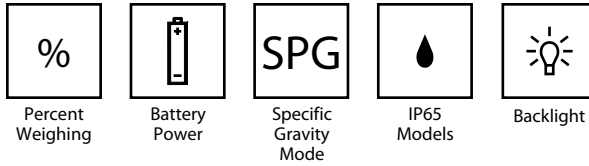
## VALOR™ 3000 XTREME

Stainless steel design in a high performance, easy-to-use, portable scale

- ✓ 10x capacity rated overload protection
- ✓ Easy-to-clean stainless steel pan and housing
- ✓ Bright backlit LCD
- ✓ g, kg, decimal or fractional oz, fluid oz (of water), lb, lb:oz
- ✓ 4 large non-slip adjustable rubber feet
- ✓ SmarText™ user interface guides users through application use and scale setup



The Valor 3000 Xtreme offers high precision readability, durability, and ease-of-use, in a sleek and stainless steel housing. Washdown versions models ensure that the Valor 3000 Xtreme meets the needs of even the most demanding environments.



	WASHDOWN		WASHDOWN			WASHDOWN		WASHDOWN		
Model	V31XH202	V31XH402	V31XW301	V31X501	V31XH2	V31XW3	V31XH4	V31XW3	V31XW6	V31X6
Capacity (g)	200	400g	300	500	2000	3000	4000	3000	6000	6000
Readability (g)	0.01	0.01g	0.1	0.1g	0.1	1	0.1g	0.5	1	1
Linearity (g)	±0.01		±0.2	±0.1		±1	±0.1	±1	±2	±1
Platform Size (in/cm)	4.7 / 12 Diameter		5.8 × 6.2 / 14.6 × 15.8		4.7 / 12 Dia.		5.8 × 6.2 / 14.6 × 15.8			
Dimensions (in/cm)	8.5 × 7.3 × 3 / 21.8 × 18.6 × 7.7									
Span Mass (g)	200	400	300	500	2000	3000	4000	3000	6000	6000



Carrying Case

Valor™ 3000 Xtreme Accessories	
OHAUS #	Description
80251216	Hard Shell Carrying Case for Valor 3000 Xtreme
80251147	Sandwich Pan
80251148	French Fries / Taco Holder
80251149	Ice Cream Cone Holder
80850359	Polypropylene Maxi-Scoop™ 10 in Diameter × 2.5 in deep (25.4cm Diameter × 6.4cm Deep) with pouring spout, weight 145g
80250954	Stainless Steel Scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5cm)
80250400	Stainless Steel Scoop 11.9 × 7.38 × 1.69 in



Sandwich Pan



Ice Cream Cone Holder



French Fries/Taco Holder



STAINLESS STEEL PAN AND AC POWER PACK INCLUDED!

## 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 × 5.3 × 1.5 / 19.3 × 13.5 × 3.9		
Span Mass (g)	200	1000	2000



## 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



Small enough to carry in your lab coat pocket!

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



## 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
Capacity × Readability (g)	200 × 0.1	2000 × 1	5000 × 1
Linearity (g)	±0.1	±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





## 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 x 0.1g Middle Beam 500g x 100g Rear Beam 100g x 10g Dial —						225g tare 500g x 100g 100g x 10g 10g x 0.1g		
Stainless Steel Pan Size (in/cm) Platform Diameter x Depth	6 x 0.8 / 15.2 x 1.9		—			6 x 0.8 / 15.2 x 1.9	—		
Stainless Steel Scoop L x W x D (in/cm)	—		12 x 6 x 2.75 / 30.5 x 15.2 x 7		—				
Animal Container Diameter x Height (in/cm)	—			9 x 6 / 22.9 x 15.2		—			
Stainless Steel Plate Platform Diameter (in/cm)	—				6 / 15.2		—	6 / 15.2	
Tare Range (g)	—	225	—			225	225		



Stainless steel scoop (model 720-S0)



Animal weighing container (model 730-00)

Triple Beam Accessories	
OHAUS #	Description
703-00	Polypropylene Scoop, 12 x 6 x 2.75 in / 30.5 x 15.2 x 7cm
703-S0	Stainless Steel Scoop, 12 x 6 x 2.75 in / 30.5 x 15.2 x 7cm
704-00	Polypropylene Maxi-Scoop, 10 Diameter x 2.5 in Deep / 25.4 Diameter x 6.4cm Deep (with pouring spout) and counterweight
706-00	Vinyl Dust Cover
80780011	Rod and Clamp Assembly



## 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.

Triple Pro Accessories	
Security Device for Loop	Item # 80850000
Security Device for Kensington slot	Item # 80850043
Rod and Clamp Assembly	Item # 80780011

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



## 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
80780001	Polypropylene Maxi-Scoop, 10 in Diameter × 2.5 in. Deep / 25.4 Diameter × 6.4cm Deep (with pouring spout) and counterweight
80850262	Vinyl Dust Cover
80780011	Rod and Clamp Assembly

## CONTACT OHAUS FOR OUR COMPLETE LINE OF INDUSTRIAL PRODUCTS!



## INDUSTRIAL SCALES

Built for production and quality control applications

- ✓ **Many products carry approvals/certifications: NSF, NTEP, OIML, Measurement Canada**
- ✓ **ISO 9001:2008 registered quality management system**
- ✓ **Legal-for-trade versions available**

OHAUS offers a range of industrial products to fit your company's industrial weighing needs. From floor scales to handheld scales, high capacity to high resolution, in portable or stationary configurations, OHAUS scales and balances provide the solution to your measurement requirements.

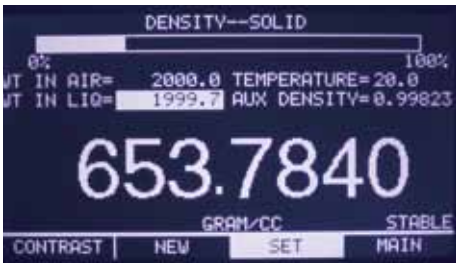


## EXPLORER® PRO

Logical, intuitive and easy to use

- ✓ Feature-rich software for a wide variety of applications
- ✓ Large, brilliant graphic display for easy reading under all lighting conditions
- ✓ SmartText™ Software guides users through application use and balance setup
- ✓ g, kg, ozt, lb, ct, GN, dwt, m, N, ti, t HK, t SG, t TW, custom unit
- ✓ Optional AutoCal™ internal calibration

Explorer Pro features an ultra-simple and innovative user interface with on screen text prompts and scroll down menus. One-step operation guides you through Explorer Pro's application modes with a single button press. The high-resolution display is easy to view and displays only the information you want to see.



Parts Counting	Dynamic/Animal weighing	Check-weighing	Percent Weighing	Differential Weighing	Filling	OIML Approved (Optional)	Statistics
Gross/Net/Tare	Time/Date	GLP Data Output	Backlight	Weigh Below Hook	Internal Calibration (Optional)	RS232 Interface	



Model w/ AutoCal	EP12001C	EP22001C	EP32001C
Model w/o AutoCal	EP12001	EP22001	EP32001
Capacity (g)	12,000	22,000	32,000
Readability (g)	0.1		
Linearity (g)	±0.4		
Platform Size (in/cm)	11 x 14 / 28 x 35.6		
Dimensions (WxHxD) (in/cm)	14 x 5.3 x 16.4 / 35.5 x 13.3 x 40.6		
Span Mass (g)	10,000	20,000	30,000

### Explorer® Pro Accessories

OHAUS #	Description
80252042	Dot Matrix Printer
80500570	Cable kit to connect Dot Matrix Printer to Explorer Pro
80251932	Paper for Dot Matrix Printer
80251933	Ink Ribbon for Dot Matrix Printer
80251992	Thermal Printer
80251931	Paper for Thermal Printer
80252580	Cable kit to connect Thermal Printer to Explorer Pro
80500746	Ohaus Collect Software
80850080	TAL Software WinWedge
12106964	RS232 Cable, PC 9 Pin to Explorer Pro
80850014	RS232 Cable, PC 25 Pin to Explorer Pro
80253384	Density Determination Kit for Explorer Pro analytical balances (0.1mg and 1mg)
80850043	Security Device for Explorer Pro up to 8kg
80850042	In-Use Cover for Explorer Pro



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