







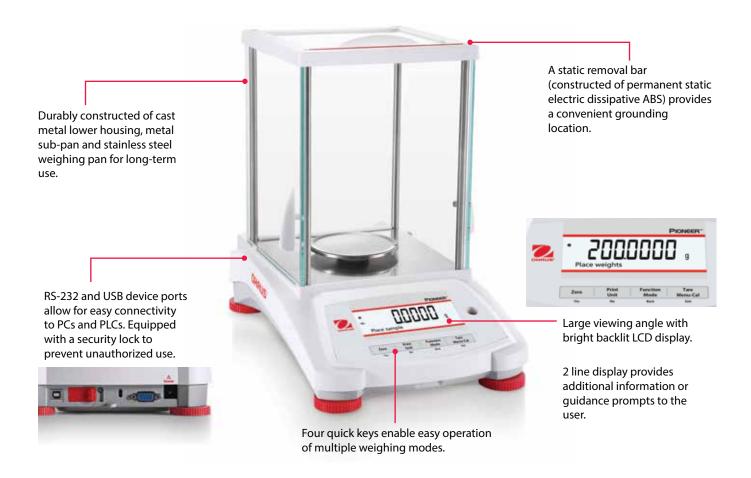
Combining Economy and High Performance for Essential Weighing

The Pioneer PX combines essential weighing functionality with competitive performance, offering high accuracy and repeatability for applications in laboratory, industrial and education settings. The PX is affordably priced, intuitively designed for intelligent operation with a second line display for additional information, and USB and RS-232 connectivity for easy communication.

Standard Features Include:

- Competitive Performance at an Economical Price
 The PX offers high accuracy and repeatability for essential weighing applications in laboratory, industrial and education settings at an economical price point.
- Durably Constructed for Long-Term Use
 Featuring a cast metal lower housing, sub-pan and stainless steel weighing pan, the PX is durably constructed for versatile, long-term use.
- Designed for Simple, Intelligent Operation
 The PX features a second line display for additional information or guidance, a static removal bar for convenient grounding, and USB and RS-232 connectivity for easy communication.

Pioneer® Semi-Micro and Analytical Balances



InCal™ Models	PX85	PX225D	PX84	PX124	PX224	PX163	PX323	PX523
ExCal Models			PX84/E	PX124/E	PX224/E	PX163/E	PX323/E	PX523/E
Capacity (g)	82	82/220	84	120	220	160	320	520
Readability (g)	0.00001	0.00001/0.0001	0.0001			0.001		
Repeatability (STDEV) (g)	0.00003	0.00003/0.0001	0.0001			0.001		
Linearity (g)	± 0.0001 ± 0.0002		± 0.002					
Stabilization Time (s)		10	3		2			
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical (MM), Mesghal, Tola (India), 1 custom unit							
Applications	Basic Weighing, Parts Counting, Percent Weighing, Animal Weighing, Density Determination							
Pan Size (Ø)	3.15 in. / 80 mm 3.54 in. / 90 mm 4.72 in. / 120 mm				n			
Draftshield Size	6.8 × 5.2 × 8.1 in. / 172 × 131 × 205 mm							
Power Supply	Power Input: 100–240V ~ 200mA 50–60Hz 12–18VA Power Output: 12 VDC 0.5A							
Assembled Dimensions (W \times D \times H)	8.2 × 12.6 × 12.2 in. / 209 × 321 × 309 mm							
Operating Conditions	Operating conditions for ordinary lab application: 50 °F to 86 °F / +10 to 30°C (operability guaranteed between +5 and 40°C)							
Storage Conditions	14 °F to 140 °F / -10 °C to 60 °C at 10% to 90% relative humidity, non-condensing							
Net Weight	10 lb / 4.5 kg							
Shipping Weight	15.4 lb / 7 kg							
Shipping Dimensions (W \times D \times H)	21.7 × 15.2 × 11.5 in. / 507 × 387 × 531 mm							

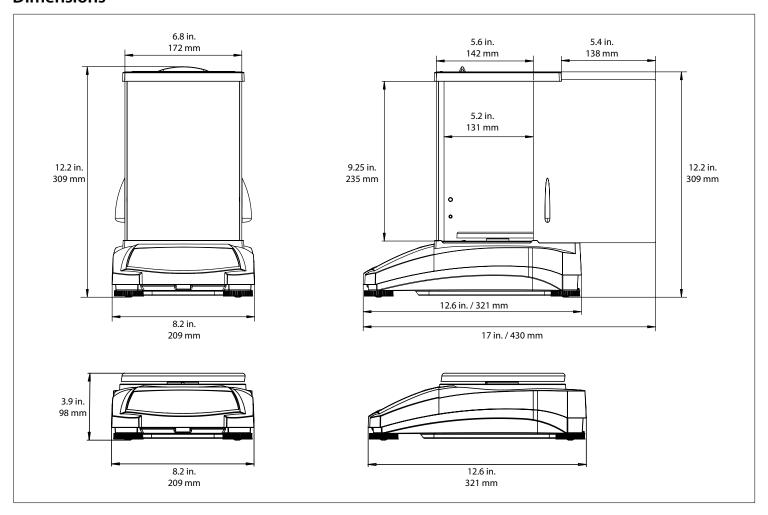
Pioneer® Precision Balances



InCal™ Models	PX1602	PX2202	PX3202	PX4202	PX2201	PX4201	
ExCal Models	PX1602/E	PX2202/E	PX3202/E	PX4202/E	PX2201/E	PX4201/E	
Capacity (g)	1600	2200	3200	4200	2200	4200	
Readability (g)	0.01 0.1						
Repeatability (STDEV) (g)		0.	0.1				
Linearity (g)	± 0.02				± 0.2		
Stabilization Time (s)	1						
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical (MM), Mesghal, Tola (India), 1 custom unit						
Applications	Basic Weighing, Parts Counting, Percent Weighing, Animal Weighing, Density Determination						
Pan Size (Ø)	7.09 in. / 180 mm						
Draftshield Size	N/A						
Power Supply	Power Input: 100–240V ~ 200mA 50–60Hz 12–18VA Power Output:12 VDC 0.5A						
Assembled Dimensions (W \times D \times H)	8.2 × 12.6 × 3.9 in. / 209 × 321 × 98 mm						
Operating Conditions	Operating conditions for ordinary lab application: 50 °F to 86 °F / +10 to 30°C (operability guaranteed between +5 and 40°C)						
Storage Conditions	14 °F to 140 °F / -10 °C to 60 °C at 10% to 90% relative humidity, non-condensing						
Net Weight	7.7 lb / 3.5 kg						
Shipping Weight	11 lb / 5 kg						
Shipping Dimensions (W \times D \times H)	21.7 × 15.2 × 11.5 in. / 550 × 385 × 291 mm						

Pioneer[®] Semi-Micro, Analytical and Precision Balances

Dimensions



Other Standard Features and Equipment

Metal base, plastic top housing, removable stainless steel pan, removable glass draftshield or side doors, Real Time Clock with GLP/GMP Data, integrated weigh-below-hook, security bracket, calibration lock and in-use cover, user-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, overload indicator, software lockout and reset menu, user-selectable communication settings and data print options, user-definable project and user IDs, software overload/underload indicator, stability indicator, four operating languages

Compliance

- Product Safety: IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL 61010-1
- Electromagnetic Compatibility: IEC/EN 61326-1 Class B, Basic Environments; FCC Part 15 Class A; Canada ICES-003 Class A
- Compliance Marks: CSA

Accessories

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Auxiliary Display	30472064	
Density Kit	80253384	
Sinker Glass for Density Determination	83034024	
USB Interface Cable	83021085	
Security Device	80850043	
RS-232 Cable (25-pin)	80500524	
RS-232 Cable (9-pin)	80500525	
Dust Cover	30093334	
In-Use Cover	30372546	
Printer SF40A	30064203	
ION-100A	30130302	

OHAUS CORPORATION

7 Campus Drive Suite 310 Parsippany, NJ 07054 USA

Tel: 800.672.7722 973.377.9000 Fax: 973.944.7177

www.ohaus.com

With offices throughout Europe, Asia, and Latin America

The management system governing the manufacture of this product is ISO 9001: 2015 certified.



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