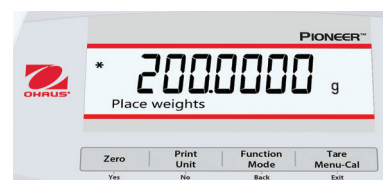


PIONEER® Semi-Micro, Analytical and Precision Balances

Durably constructed of cast metal lower housing, metal sub-pan and stainless steel weighing pan for long-term use.

A static removal bar (constructed of permanent static electric dissipative ABS) provides a convenient grounding location.

RS-232 and USB device ports allow for easy connectivity to PCs and PLCs. Equipped with a security lock to prevent unauthorized use.



Large viewing angle with bright backlit LCD display.

2 line display provides additional information or guidance prompts to the user.

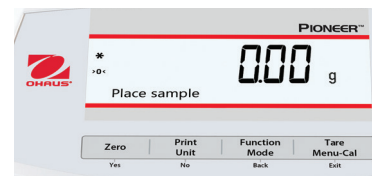
Four quick keys enable easy operation of multiple weighing modes.



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, Troy Ounce, 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		
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 × D × 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 × D × H)	21.7 × 15.2 × 11.5 in. / 507 × 387 × 531 mm							

PIONEER® Semi-Micro, Analytical and Precision Balances

RS-232 and USB device ports allow for easy connectivity to PCs and PLCs. Equipped with a security lock to prevent unauthorized use.



Large viewing angle with bright backlit LCD display.

2 line display provides additional information or guidance prompts to the user.



Four quick keys enable easy operation of multiple weighing modes.

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)	0.01			0.1		
Linearity (g)	± 0.02			± 0.2		
Stabilization Time (s)	1					
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, 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 × D × 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 × D × H)	21.7 × 15.2 × 11.5 in. / 550 × 385 × 291 mm					