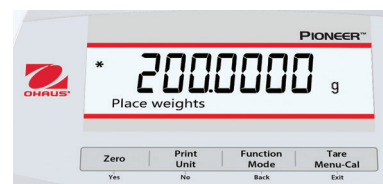


# PIONEER® Semi-Micro, Analytical and Precision Balances

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™ Model	PX125D**	PX85**	PX225D**	PX84	PX124	PX224	PX163	PX223	PX323	PX423	PX523	PX623
ExCal Model	-			PX84/E	PX124/E	PX224/E	PX163/E	PX223/E	PX323/E	PX423/E	PX523/E	PX623/E
Capacity (g)	52/120	82	82/220	82	120	220	160	220	320	420	520	620
Readability d, fine range	0.01mg							-				
Readability d, full range	0.1mg	0.01mg	0.1mg	0.1mg					0.001g			
Repeatability (sd.), ≤5% of full load	0.01mg			0.08mg			0.0008g					
Repeatability (sd.), 5% of full load to fine range max	0.02mg							-				
Repeatability (sd.), fine range max to full range	0.1mg	0.02mg	0.1mg	0.1mg					0.001g			
Linearity deviation, typical	± 0.06mg			± 0.06mg					± 0.0006g			
Linearity deviation	± 0.1mg			± 0.2mg					± 0.002g			
Stabilization Time (s)	10			2					1.5			
Sensitivity Temperature Drift (PPM/K)	± 0.8			± 3			± 8	± 9	± 3			
Min-Weight (typical) (USP, K=2, U=0.10%)	20 mg			0.16 g					1.6 g			
Min-Weight (optimal) (USP, K=2, U=0.10%, SRP≤0.41d)*	8.2 mg			0.082 g					0.82 g			
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), Baht, 1 Custom unit											
Assembled Dimensions (W × D × H)	209 × 321 × 309 mm											
Applications	Basic Weighing, Parts Counting, Percent Weighing, Animal Weighing, Density Determination, Formulation											
Pan Size (Ø)	80 mm			90 mm			120 mm					
Power Supply	Power Input: 100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA Power Output: 12 VDC 0.5A											
Communication	RS232 and USB											
Operating Temperature Range	Operating conditions for ordinary lab application: +10°C to 30°C (operability guaranteed between +5°C and 40°C).											
Net Weight	4.5 kg											
Shipping Weight	7 kg											
Shipping Dimensions (W × D × H)	507 × 387 × 531 mm											

\*The value for SRP is the standard deviation for n replicate weighings (n≥10) \*\*Automatic Calibration models