

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.

Two 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 | PX623 |
|--|--|-----------|------------------|----------|---------|-------------------|----------|---------|
| ExCal Models | | | PX84/E | PX124/E | PX224/E | PX163/E | PX323/E | PX623/E |
| Capacity (g) | 82 | 82/220 | 82 | 120 | 220 | 160 | 320 | 620 |
| Readability d, Fine Range (g) | | 0.00001 | | - | | | - | |
| Readability d, Full Range (g) | 0.00001 | 0.0001 | | 0.0001 | | | 0.001 | |
| Repeatability (sd.), ≤5% of Full Load (g) | | 0.00001 | | 0.00008 | | | 0.0008 | |
| Repeatability (sd.), 5% of Full Load to Fine Range Max (g) | | 0.00002 | | - | | | - | |
| Repeatability (sd.), Fine Range Max to Full Range (g) | 0.00002 | 0.0001 | | 0.0001 | | | 0.001 | |
| Linearity deviation, Typical (g) | | ± 0.00006 | | ±0.00006 | | | ± 0.0006 | |
| Linearity deviation (g) | | ± 0.0001 | | ± 0.0002 | | | ± 0.002 | |
| Stabilization Time (s) | | 10 | | 3 | | | 2 | |
| Typical Minimum Weight USP (g), (USP K=2, U=0.10%) | | 0.02 | | 0.16 | | | 1.6 | |
| Min-Weight (optimal) (g) (USP, K=2, U=0.10%, SRP≤0.41d**) | | 0.0082 | | 0.082 | | | 0.82 | |
| 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), Baht, 1 custom unit | | | | | | | |
| Applications | Basic Weighing, Parts Counting, Percent Weighing, Animal Weighing, Density Determination, Formulation | | | | | | | |
| 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 | | | | | | | |

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