

# PR SERIES *Analytical Balances*

Standard RS232 connectivity for easy data transfer.



A large, bright backlit allows for easy viewing of results.



Durably constructed, and features a stainless steel pan to withstand day-to-day use.



Two adjustable feet that allow user to level the balance.

Four mechanical keys enable easy operation of basic application modes.

| InCal Model™  | PR124   | PR224   | PR223            | PR423   | PR523   |
|---|---|---------|------------------|---------|---------|
| ExCal Model   | PR124/E   | PR224/E | PR223/E          | PR423/E | PR523/E |
| Capacity (g)  | 120   | 220     |                  | 420     | 520     |
| Readability (g)   | 0.0001  |         | 0.001            |         |         |
| Repeatability (STDEV) (g)                               | 0.0001  |         | 0.001            |         |         |
| Linearity (g)   | 0.0002  |         | 0.002            |         |         |
| Stabilization Time (s)                                  | 3   |         | 2                |         |         |
| Sensitivity Temperature Drift (PPM/K)                   | ±3  |         | ±8               | ±3      |         |
| Typical Minimum Weight USP (USP K=2, U=0.10%)           | 200 mg  |         | 2 g              |         |         |
| Optimized Minimum Weight (USP, U=0.10%, K=2) SRP≤0.41d* | 82 mg   |         | 0.82 g           |         |         |
| Units   | Milligram, Gram, Ounce, Carat, Pennyweight, Ounce Troy, Newton, Grain   |         |                  |         |         |
| Applications  | Basic Weighing, Parts Counting, Percent Weighing  |         |                  |         |         |
| Platform Size (diameter)                                | 3.5 inch / 9 cm   |         | 4.7 inch / 12 cm |         |         |
| Tare Range  | Full range  |         |                  |         |         |
| Tare Time (s)   | 1   |         |                  |         |         |
| Power Supply  | Power Input: 100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA<br>Power Output: 12 VDC 0.5A  |         |                  |         |         |
| Assembled Dimensions (W × D × H)                        | 8 x 13 x 12 inch / 201 × 317 × 303 mm   |         |                  |         |         |
| Communication   | RS232   |         |                  |         |         |
| Operating Temperature Range                             | Operating conditions for ordinary lab application: +10 to 30°C (operability guaranteed between +5 and 40°C)                 |         |                  |         |         |
| Storage Temperature Range                               | Humidity: maximum relative humidity 80% for temperatures up to 30 °C, decreasing linearly to 50% relative humidity at 40 °C |         |                  |         |         |
| Net Weight  | 10 lb / 4.5 kg  |         |                  |         |         |
| Shipping Weight   | 15.4 lb / 7 kg  |         |                  |         |         |
| Shipping Dimensions (W × D × H)                         | 20 x 15 x 21 inch / 507 × 387 × 531 mm  |         |                  |         |         |

\*The value for SRP is the standard deviation for n replicate weighing (n≥10)