# PR Series

## Analytical and Precision Balances

## Designed for Routine Weighing Applications in Your Workplace

Offering accuracy and repeatability in essential weighing applications in laboratory, industrial and education settings, PR Analytical and Precision Balances deliver competitive performance at an economical price. Featuring RS232 connectivity for easy communication, and a backlit display and a simple interface for uncomplicated operation, the PR is perfectly designed for your workplace.

### Standard Features Include:

- **Basic Functionality for Routine Weighing Applications**
  The Pioneer is equipped with three essential weighing modes, RS232 connectivity for data transfer and storage, and internal calibration, making it ideal for routine weighing applications.
- **Designed for Uncomplicated Operation with Easy-to-Use Display and Interface**
  Equipped with an easy-to-read, bright backlit display and a simple user interface, the PR is incredibly easy to operate, with almost no training required.
- **Smart Design and Durable Construction**
  The PR's small footprint saves desktop space while providing a large weighing surface. The PR is durably constructed, and features a stainless steel pan to withstand day-to-day use in the workplace.

# 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.

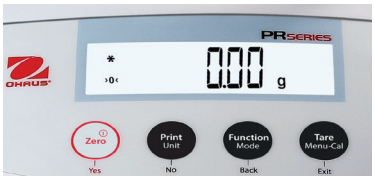
| InCal Model™ | | PR124 | PR224 | | | |
|---|---|---|---|---|---|---|
| **ExCal Model** | **PR64/E** | **PR124/E** | **PR224/E** | **PR223/E** | **PR423/E** | **PR523/E** |
| Capacity (g) | 62 | 120 | 220 | | 420 | 520 |
| Readability (g) | 0.0001 | | | 0.001 | | |
| Repeatability (STDEV) (g) | 0.0001 | | | 0.001 | | |
| Linearity (g) | 0.0002 | | | 0.002 | | |
| Stabilization Time (s) | 4 | | | 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, Kilogram, Ounce, Pound, 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 | | | | | |
| Power Supply | Power Input: 100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA<br>Power Output: 12 VDC 0.5A | | | | | |
| Assembled Dimensions (W × D × H) | 208 × 320 × 309 mm | | | | | |
| Communication | RS232 | | | | | |
| Operating Temperature Range | 10 °C to 30 °C | | | | | |
| Storage Temperature Range | Humidity: maximum relative humidity 80% for temperatures up to 30 °C,<br>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 × 15 × 21 inch / 507 × 387 × 531 mm | | | | | |

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

# *PR Series* Precision Balances

Standard RS232 connectivity for easy data transfer.

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





Two adjustable feet that allow user to level the balance.

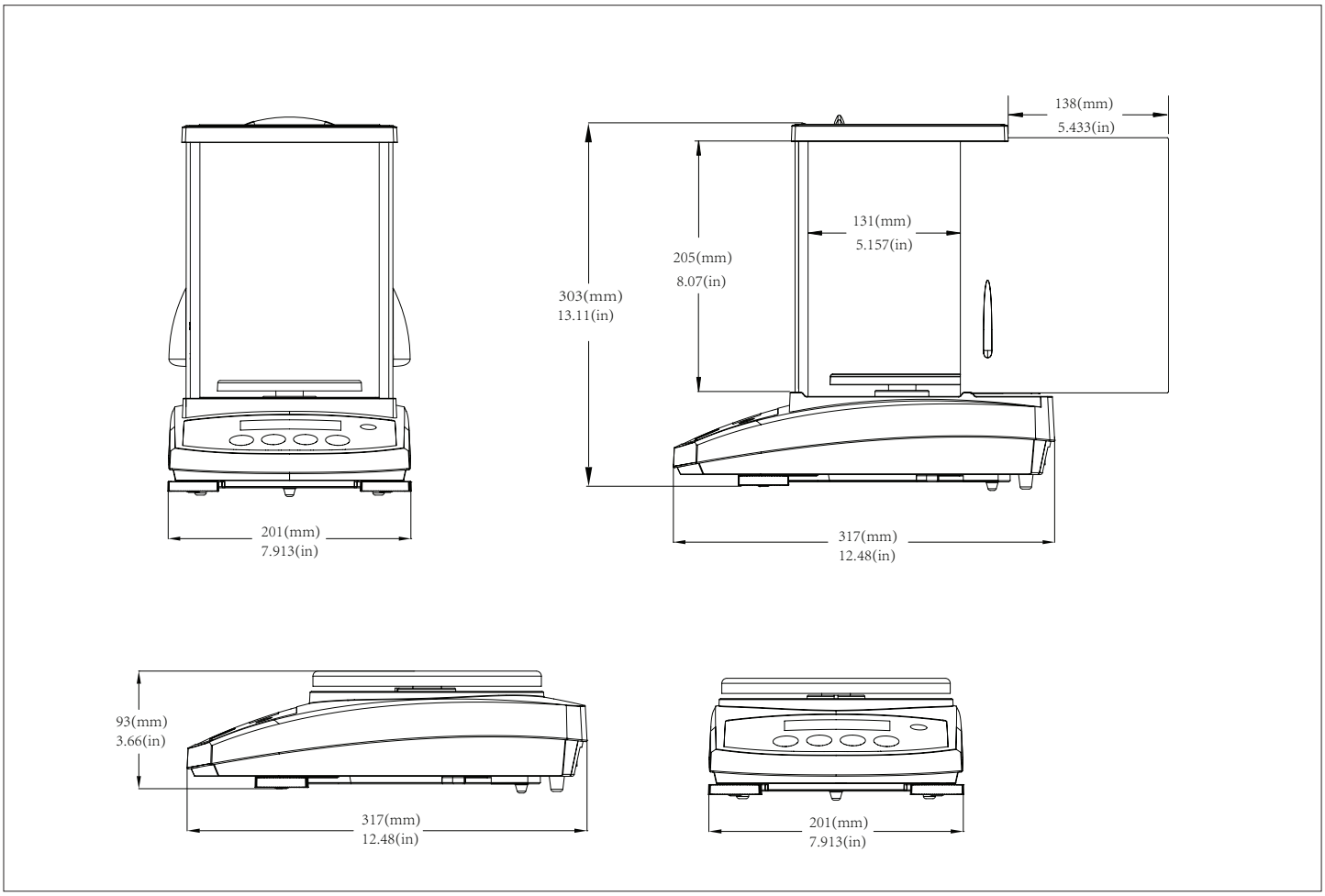
Four mechanical keys enable easy operation of basic application modes.

| ExCal Model | PR1602/E | PR2202/E | PR4202/E | PR4201/E | PR6201/E |
|---|---|---|---|---|---|
| Capacity (g) | 1600 | 2200 | 4200 | | 6200 |
| Readability (g) | 0.01 | | | 0.1 | |
| Repeatability (STDEV) (g) | 0.01 | | | 0.1 | |
| Linearity (g) | 0.02 | | | 0.2 | |
| Stabilization Time (s) | 1 | | | | |
| Sensitivity Temperature Drift (PPM/K) | ±6 | | ±3 | ±10 | |
| Typical Minimum Weight USP (USP K=2, U=0.10%) | 20 g | | | 200 g | |
| Optimized Minimum Weight (g) (USP, U=0.10%, K=2) SRP≤0.41d* | 8.2 g | | | 82 g | |
| Units | Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Newton, Grain | | | | |
| Applications | Basic Weighing, Parts Counting, Percent Weighing | | | | |
| Platform Size (diameter) | 7.1 inch / 18 cm | | | | |
| Tare Range | Full range | | | | |
| Power Supply | Power Input:100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA<br>Power Output: 12 VDC 0.5A | | | | |
| Assembled Dimensions (W × D × H) | 208 × 320 × 98 mm | | | | |
| Communication | RS232 | | | | |
| Operating Temperature Range | 10 °C to 30 °C | | | | |
| Storage Temperature Range | Humidity: maximum relative humidity 80% for temperatures up to 30 °C,<br>decreasing linearly to 50% relative humidity at 40 °C | | | | |
| Net Weight | 7.7 lb / 3.5 kg | | | | |
| Shipping Weight | 11 lb / 5 kg | | | | |
| Shipping Dimensions (W x D x H) | 220 × 15 × 12 inch / 550 × 385 × 291 mm | | | | |

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

# *PR Series Analytical and Precision Balances*

## Dimensions




## Other Standard Features and Equipment

HIBS top housing, removable stainless steel pan, removable glass draftshield with sliding top door, integrated weigh-below-hook, security bracket, calibration lock, User-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, 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

## 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:** CE; CSA; RCM

## Accessories

| | |
|---|---|
| **Auxiliary Display PAD** | 80251396 |
| **Density Kit** | 80253384 |
| **Sinker for Liquid Density Determination** | 83034024 |
| **Security Device** | 80850043 |
| **RS232 Cable (25-pin)** | 80500524 |
| **Dust Cover** | 30093334 |
| **In-use Cover, (PR)** | 30372547 |
| **Printer SF40A** | 30045641 |
| **Power Adapter for Balance** | 46001724 |



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*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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