



# 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 Series Analytical and Precision Balances deliver competitive performance at an economical price. Featuring RS232 connectivity for easy communication, and a backlit display(LCD) and a simple interface for uncomplicated operation, the PR is perfectly designed for your workplace.

### *Standard Features:*

- **Basic Functionality for Routine Weighing Applications**

The PR 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.

*don't weight to call*



# PR SERIES *Analytical Balances*

Standard RS232 connectivity for easy data transfer.



A large, bright backlit display(LCD) allows for easy viewing of results.



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

Two adjustable feet 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 d (g)	0.0001			0.001	
Repeatability (sd.), ≤5% of Full Load (g)	0.00008			0.0008	
Repeatability (sd.), 5% of Full Load to Full Range (g)	0.0001			0.001	
Linearity Deviation, Typical (g)	±0.00006			±0.0006	
Linearity Deviation (g)	±0.0002			±0.002	
Stabilization Time (s)	3			2	
Sensitivity Temperature Drift (PPM/K)	±3		±8	±3	
Min-Weight (Typical) (g) (USP, K=2, U=0.10%)	0.16			1.6	
Min-Weight (Optimal) (g) (USP, K=2, U=0.10%, SRP≤0.41d)*	0.082			0.82	
Units	Milligram, Gram, Kilogram, Ounce, Carat, Pennyweight, Ounce Troy, Newton, Grain, Pound, Taiwan Tael, Custom				
Applications	Basic Weighing, Parts Counting, Percent Weighing				
Platform Size (diameter)	9 cm			12 cm	
Tare Range	To full range by subtraction				
Tare Time (s)	1				
Power Supply	Power Input: 100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA Power Output: 12 VDC 0.5A				
Assembled Dimensions (W × D × H)	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	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 weighing's (n≥10)

# PR SERIES *Precision Balances*

Standard RS232 connectivity for easy data transfer.



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Two adjustable feet allow user to level the balance.

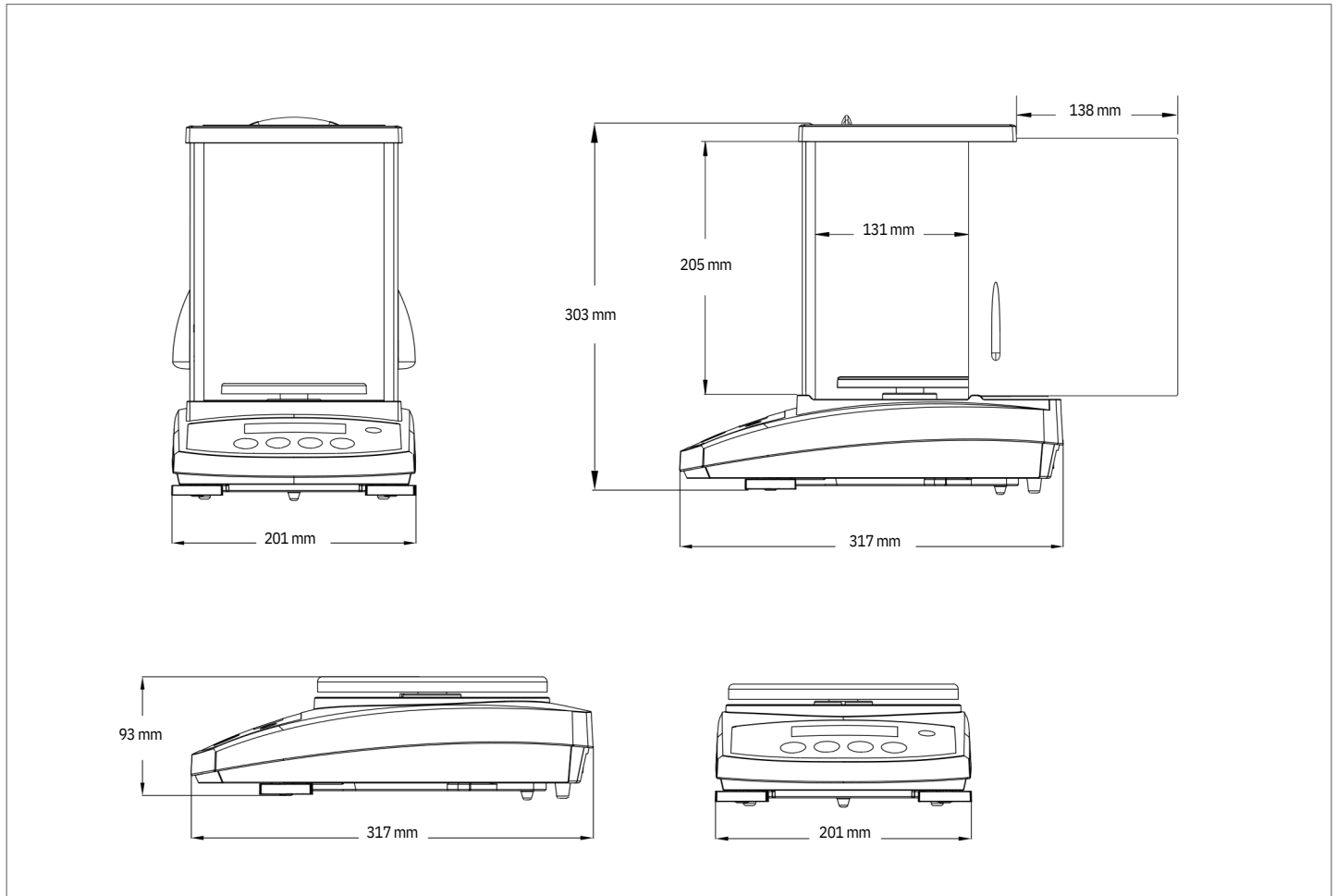
Four mechanical keys enable easy operation of basic application modes.

InCal Model™	PR1602	PR2202	PR4202	PR4201	PR6201
ExCal Model	PR1602/E	PR2202/E	PR4202/E	PR4201/E	PR6201/E
Capacity (g)	1600	2200	4200		6200
Readability d (g)		0.01		0.1	
Repeatability (sd.), ≤5% of Full Load (g)		0.008		0.08	
Repeatability (sd.), 5% of Full Load to Full Range (g)		0.01		0.1	
Linearity Deviation, Typical (g)		±0.006		±0.06	
Linearity Deviation (g)		±0.02		±0.2	
Stabilization Time (s)			1		
Sensitivity Temperature Drift (PPM/K)	±6		±3	±10	
Min-Weight (Typical) (g) (USP, K=2, U=0.10%)		16		160	
Min-Weight (Optimal) (g) (USP, K=2, U=0.10%, SRP≤0.41d)*		8.2		82	
Units	Gram, Kilogram, Ounce, Carat, Pennyweight, Ounce Troy, Newton, Grain, Pound, Taiwan Tael, Custom				
Applications	Basic Weighing, Parts Counting, Percent Weighing				
Platform Size (diameter)	18 cm				
Tare Range	To full range by subtraction				
Tare Time (s)	1				
Power Supply	Power Input: 100 – 240V ~ 200mA 50 – 60Hz 12 – 18VA Power Output: 12 VDC 0.5A				
Assembled Dimensions (W × D × H)	201 × 317 × 93 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	3.5 kg				
Shipping Weight	5 kg				
Shipping Dimensions (W × D × H)	550 × 385 × 291 mm				

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

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## Dimensions



## Other Standard Features and Equipment

ABS 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	.....30472064	Density	Kit
		.....80253384	Sinker Glass for Density Determination	
		.....83034024	Security Device	.....80850043
RS232	Cable (25-pin)	.....80500524	Dust	Cover
		.....30093334	In-use	Cover
		.....30372547		

Printer SF40A	.....30045641	Power Adapter for Balance
	.....46001724	ION-100A .....30130303



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