

PR Series Analytical Balances

Standard RS232 connectivity for easy data transfer.



A large, bright backlit display 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			
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)	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				
Pan Size	90 mm		120 mm		
Tare Range	Full range				
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	10 °C to 30 °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 weighings (n≥10)

PR Series Precision Balances

Standard RS232 connectivity for easy data transfer.



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



Two adjustable feet 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 (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				
Pan Size	180 mm				
Tare Range	Full range				
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	10 °C to 30 °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)