

Intelligent-Lab™ Milligram Balance



- User Friendly Menu
- Large, Easy to Read Backlit LCD Display
- Configurable RS 232 Interface
- Below Balance Weighing
- CalQuick™ Single Button Calibration
- Glass Draft Shield
- Force Restoration Sensor



Weighing Technology

A Higher Level of Precision . . . A Higher Level of Performance

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PB

Series

Model	PB-500	PB-720	PB-1000	PB-1200
Capacity	500 g	720 g	1000 g	1200 g
Readability	0.001 g			
Suggested Minimum Load	10 mg			
Repeatability (Std. Dev.)	± 0.001 g			
Linearity	± 0.002 g			
Sensitivity Drift	± 4 ppm / °C (+ 10°C to + 30°C)			
Stabilization Time	2 seconds			
Weighing Units	g, ct, oz, lb, dwt, oz t, GN, taels (HK, Singapore, R.O.C.), momme			
Functions	Parts counting, below balance weighing, checkweighing, density (as an option, note: counting is disabled)			
Tare Range	To capacity by subtraction			
Power Source	110 VAC / 24 VAC adapter			
Construction	Static resistant ABS, in-use cover supplied, glass draft shield			
Display	Large, easy to read backlit LCD display			
Pan Size	4.3 inches / 110 mm diameter			
Draft Shield Internal Dimensions (W x H)	6.2 x 2.2 inches / 157 x 55 mm			
Overall Dimensions (W x D x H)	8.1 x 12.8 x 6.5 inches / 205 x 325 x 165 mm			
Operating Environment	+41 °F to +95 °F / +5 °C to +35 °C			
Connectivity	RS 232 bi-directional, configurable			
Calibration	External calibration			
Net Weight	9.9 lb / 4.5 kg			
Shipping Weight	20 lb / 9.1 kg			
Options	Printers, density kit, density software (note: counting feature is disabled)(Must be specified with order)			

Features	Benefits
Easy to use keyboard arrangement and menu	Makes training and operation simple, reducing mistakes
Alpha-numeric display	Easy to understand menu navigation
Tactile keypad	Positive feedback allows for precise entry of information
Waterproof keyboard	Protects against damage to electronic components
Adjustable environmental filter settings (5 levels)	Can adjust balance response to differing environmental conditions for more controlled results
Multiple weighing units (11 units)	Allows flexibility of weighing across many disciplines
Parts counting function	Allows accurate counting of components and small parts (can be enabled / disabled)
RS 232 bidirectional serial interface – user selectable for printer or computer	Allows communication with peripheral data collection and printing instruments
Selectable baud rate	Allows connection to different data collection devices
One key calibration function	Calibration is simple, ensuring that the balance will be calibrated often during use
Auto zero can be enabled / disabled	Applications such as evaporation can be accommodated
100% subtractive tare	Enables the weight of containers to be ignored
Large, bright backlit LCD display	Easy to read in all lighting conditions including bright sunlight
Adjustable feet / spirit level	The balance remains level for accurate results even on uneven working surfaces
Below balance weighing	Allows for easy weighing of bulky items
Density function (optional)	Allows for easy calculation of density (must be specified at time of order)

Manufactured in Italy for Intelligent Weighing Technology, Inc. in an ISO 9001 certified facility

Toll Free: 866-920-3000 • Direct: 805-642-3034 • www.intelligentwt.com

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