



Weighing Technology

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

PB 0.01 g

SERIES

Intell-Lab™ Toploading Balances



- User Friendly Menu
- Large, Easy to Read LCD Display with Backlight
- Below Balance Weighing
- Prints GLP Format
- RS 232 Configurable Interface



Manufactured in Italy by an ISO 9001 certified company.

PB 0.01 g

SERIES

Intell-Lab™ Toploading Balance

Model	PB-1700	PB-2200	PB-3100	PB-4100	PB-5200	PB-6200
Capacity	1700 g	2200 g	3100 g	4100 g	5200 g	6200 g
Readability	0.01 g					
Minimum Load	1 g					
Linearity	±0.02 g			±0.03 g		
Repeatability (Std. Dev.)	0.005 g					
Sensitivity Drift	± 5 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.), mommes					
Functions	Parts counting, below balance weighing, 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					
Display	Large, easy to read backlit LCD display					
Pan Size	6.3 inches / 160 mm diameter					
Dimensions (W x D x H)	8.1 x 12.8 x 3.7 inches / 205 x 325 x 95 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	Printer, density kit, density software (note: counting feature is disabled)					

Features

Easy to use keyboard arrangement and menu

Alpha-numeric display
Tactile keypad

Waterproof keyboard
Adjustable environmental filter settings (5 levels)

Multiple weighing units (11 units)
Parts counting function

RS 232 bidirectional serial interface – user selectable for printer or computer
Selectable baud rate
One key calibration function

Auto zero can be enabled / disabled

100% subtractive tare
Large, bright backlit LCD display

Adjustable feet / spirit level

Below balance weighing
Density function (optional)

Benefits

Makes training and operation simple, reducing mistakes

Easy to understand menu navigation
Positive feedback allows for precise entry of information
Protects against damage to electronic components
Can adjust balance response to differing environmental conditions for more controlled results
Allows flexibility of weighing across many disciplines
Allows accurate counting of components and small parts. (Can be enabled/disabled)
Allows communication with peripheral data collection and printing instruments
Allows connection to different data collection devices
Calibration is simple, ensuring that the balance will be calibrated often during use
Applications such as evaporation can be accommodated
Enables the weight of containers to be ignored
Easy to read in all lighting conditions including bright sunlight
The balance remains level for accurate results even on uneven working surfaces
Allows for easy weighing of bulky items
Allows for easy calculation of density



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Intelligent Weighing Technology, Inc.

www.intelligentwt.com

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