



Weighing Technology

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

M 0.001 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.

M 0.001 g

SERIES

Intell-Lab™ Toploading Balance

Model	DUAL RANGE								
	M160	M220	M330	M500	M720	M1000	M1200	M2040	M2060
Capacity	160 g	220 g	330 g	500 g	720 g	1000 g	1200 g	200 / 400 g	200 / 600 g
Readability	0.001 g							0.001/0.01g	
Minimum Load	0.5 g								
Linearity	±0.002 g							±0.001 / 0.01 g	
Repeatability (Std. Dev.)	0.0005 g							0.0005 / 0.003 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, tael, (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	4.3 inches / 110 mm diameter								
Draft Shield Internal Dimensions (W x H)	6.2 x 2.2 inches / 157 x 55 mm								
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	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
- Underweighing hook
- 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.

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