



Weighing Technology

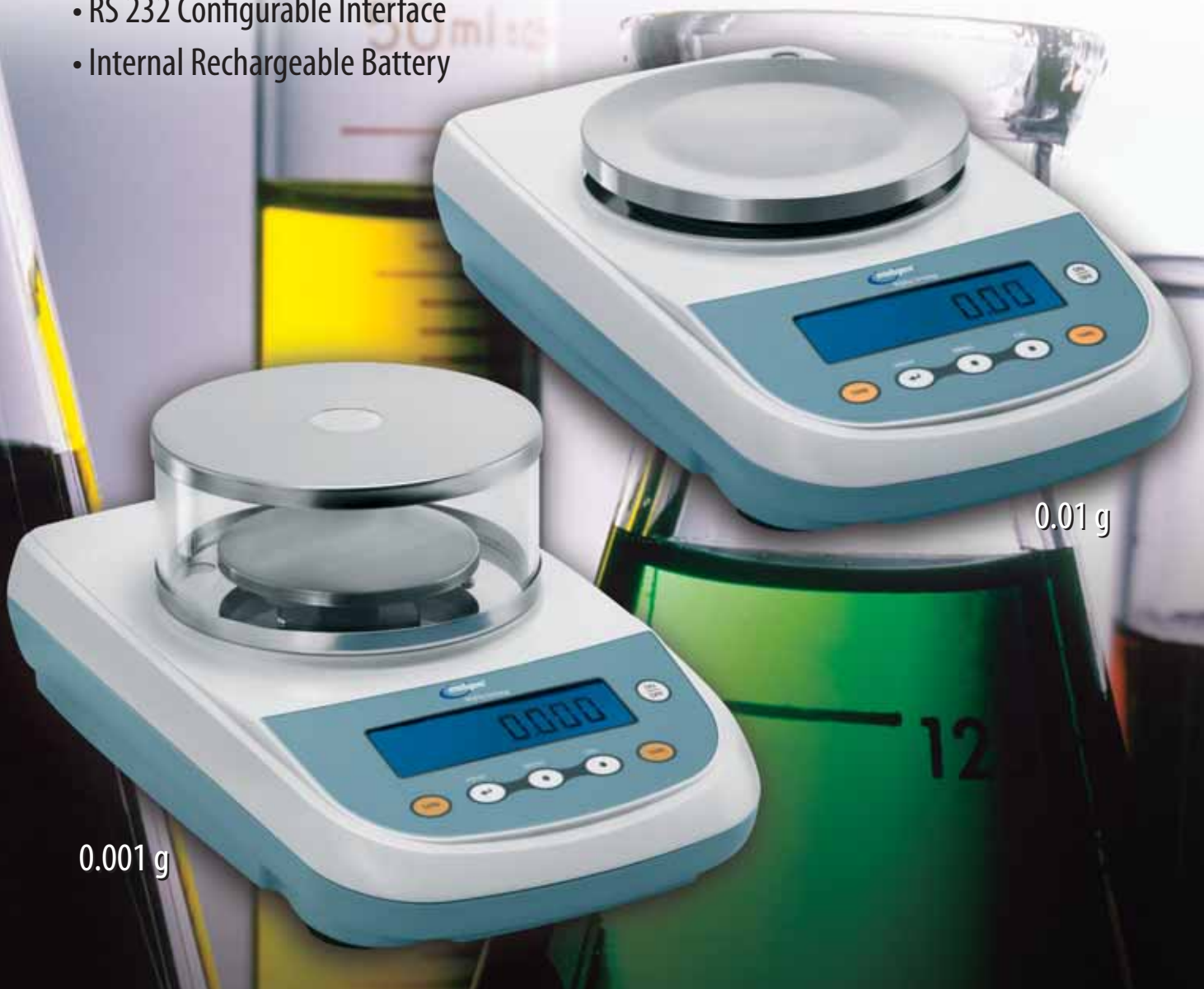
*A Higher Level of Precision...A Higher Level of Performance*

*M/L*  
*0.001 g / 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
- Internal Rechargeable Battery



0.001 g

0.01 g



*Manufactured in Italy by an ISO 9001 certified company.*

# M/L

# 0.001 g / 0.01 g

## SERIES

# Intell-Lab™ Toploading Balance

Model	M120L	M210L	M310L	M520L	M1000L	M1500L	M2100L	M3000L	
Capacity	120 g	210 g	310 g	520 g	1000 g	1500 g	2100 g	3000 g	
Readability	0.001 g			0.01 g					
Minimum Load	0.1 g			2 g					
Linearity	±0.003 g	±0.002 g		±0.02 g			±0.03 g		
Repeatability (Std. Dev.)	0.0006 g			0.005 g					
Sensitivity Drift	± 5 ppm / °C (+ 10°C to + 30°C)							± 4 ppm / °C (+ 10°C to + 30°C)	
Stabilization Time	3 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/DC adapter, internal rechargeable battery (220 VAC available)								
Construction	Static resistant ABS, in-use cover supplied								
Display	Large, easy to read backlit LCD display								
Pan Size	4.3 inches / 110 mm diameter			6.3 inches / 160 mm diameter					
Draft Shield Internal Dimensions (W x H)	6.2 x 2.2 inches / 157 x 55 mm			N/A					
Dimensions (W x D x H)	8.5 x 13.6 x 6.1 inches / 216 x 346 x 155 mm			8.5 x 13.6 x 4 inches / 216 x 346 x 102 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

Internal rechargeable battery

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

Portability – can be used in various locations without access to a wall outlet  
Allows for easy weighing of bulky items  
Allows for easy calculation of density



**Intelligent Weighing Technology, Inc.**

www.intelligentwt.com

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