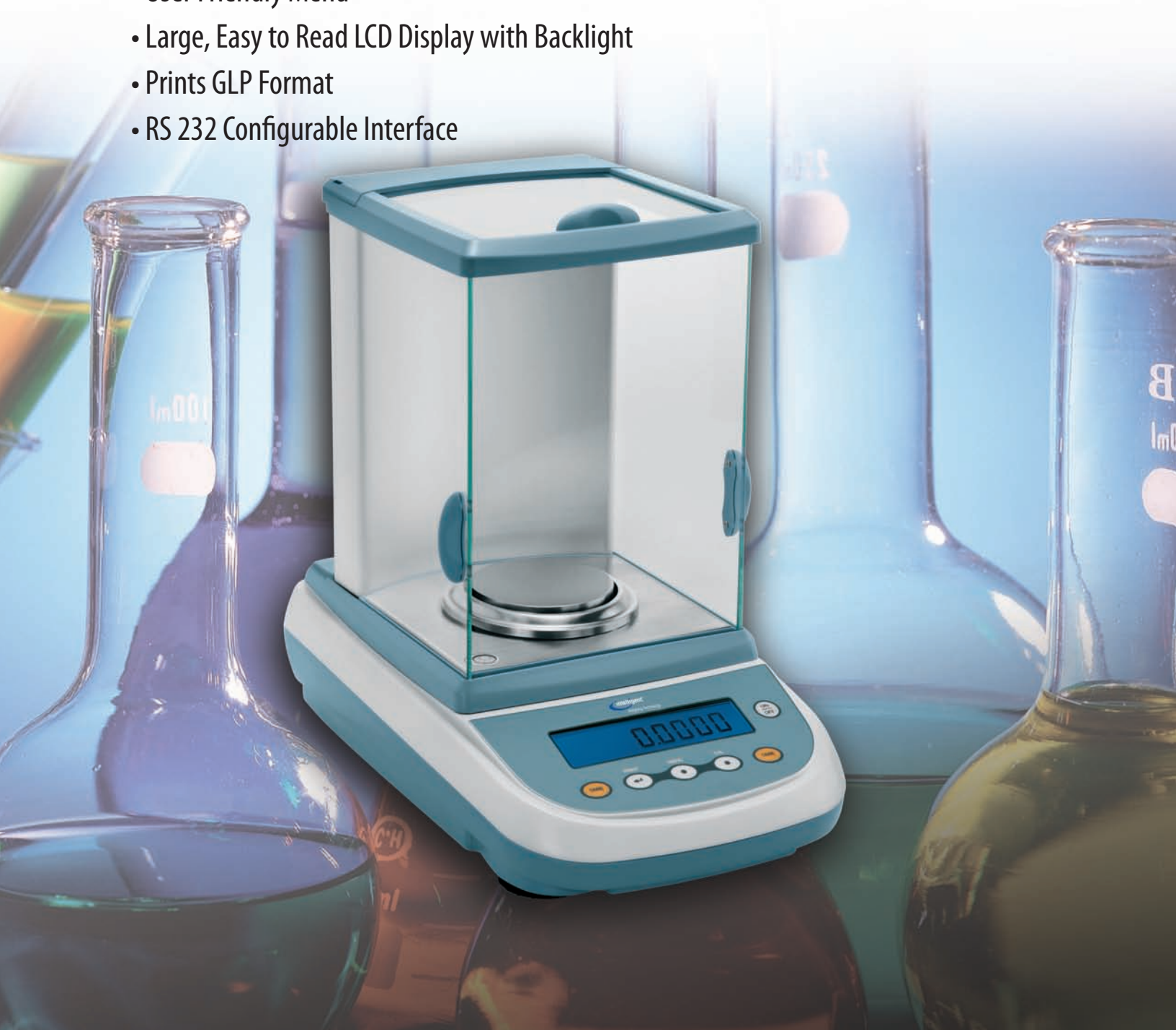# intelligent ®

Weighing Technology

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

A
SERIES

Intell-Lab™ Analytical Balances

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

Manufactured in Italy by an ISO 9001 certified company.

A SERIES

Model	A120U	A150U	A210U	A250U	A120	A150	A210	A250
Capacity	120 g	150 g	210 g	250 g	120 g	150 g	210 g	250 g
Readability	0.0001 g							
Minimum Load	10 mg							
Linearity	±0.0003 g							
Repeatability (Std. Dev.)	0.0001 g							
Sensitivity Drift	±3 ppm / ° C (+ 10° C to + 30° C)							
Stabilization Time	4 seconds							
Weighing Units	g, ct, oz, lb, dwt, oz t, GN, taels (HK, Singapore, R.O.C.), mommes							
Functions	Parts counting, density (as an option, note: counting is disabled)							
Tare Range	To capacity by subtraction							
Power Source	110 VAC / 24 VAC adapter							
Construction	Cast aluminum base							
Display	Large, easy to read LCD display with backlight							
Pan Size	3.1 inches / 80 mm diameter							
Draft Shield Internal Dimensions (W x D x H)	5.1 x 6.3 x 7.9 inches / 128 x 159 x 200 mm							
Dimensions (W x D x H)	8.1 x 12.8 x 13 inches / 205 x 325 x 330 mm							
Operating Environment	+41°F to +95°F / +5°C to +35°C							
Connectivity	RS 232 bi-directional, configurable							
Calibration	Automatic Internal Calibration				External calibration			
Net Weight	11.5 lb / 5.3 kg				10 lb / 4.5 kg			
Shipping Weight	15.5 lb / 7.1 kg				14 lb / 6.4 kg			
Options	Printer, density kit, density software (note: counting feature is disabled)							

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	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 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
Density function (optional)	Allows for easy calculation of density

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Intelligent Weighing Technology, Inc.
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