



Weighing Technology

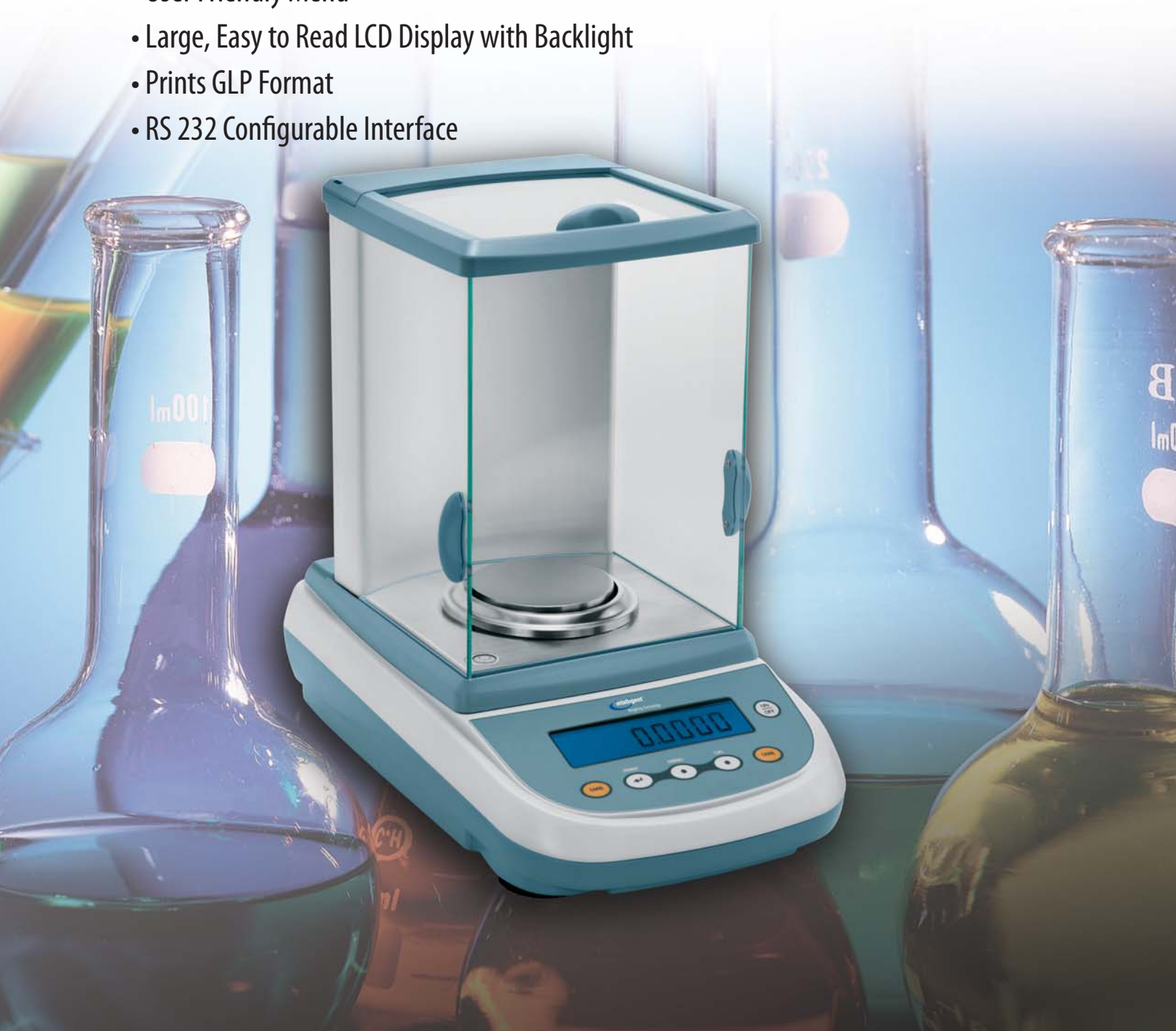
*A Higher Level of Precision...A Higher Level of Performance*

**IL**  
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.*

| Model  | IL-120U  | IL-150U | IL-210U | IL-250U | IL-120   | IL-150 | IL-210 | IL-250 |
|--|--|---------|---------|---------|--|--------|--------|--------|
| 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), below balance weighing |         |         |         |  |        |        |        |
| Tare Range                                   | To capacity by subtraction   |         |         |         |  |        |        |        |
| Power Source                                 | 110 VAC / 24 VAC adapter   |         |         |         |  |        |        |        |
| Construction                                 | Static resistant ABS   |         |         |         |  |        |        |        |
| 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 – calibration weight supplied |        |        |        |
| 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

- Easy to use keyboard arrangement and menu
- Alpha-numeric display
- Tactile keypad
- Waterproof keyboard
- Adjustable environmental filter settings (5 levels)
- Multiple weighing 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 display
- Adjustable feet / spirit level
- Density function (optional)
- Below balance weighing

## 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 calculation of density
- Allows for easy weighing of bulky items