



Analytical Balance

Milligram Balance

STANDARD FEATURES

- Advanced microprocessor for reliable weighing results
- Digital filtering and fast stabilization
- Stainless steel weighing platform
- Variety of weighing applications
- Percent weighing for solids, moisture loss, formulation, quality control
- Filtering for unstable ambient conditions
- Net totaling for formulation
- Full range subtractive tare
- Keypad confirmation audio tone
- Multiple units of measure
- Backlit amber LCD
- AC operation (AC adapter included)
- Applications programs for weighing unit toggle, counting, percent weighing, net-total, totalizing, animal weighing, calculation, density determination

SPECIFICATIONS

CORNER LOAD:

ATL-423-I: $\leq \pm 0.003$ g
 ATL-153-I: $\leq \pm 0.004$ g

EXTERNAL CALIBRATION WEIGHT:

ATL-224-I: 200 g (E2)
 ATL-124-I: 100 g (E2)

WEIGHING MODES:

User defined, gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, momme, Austrian carat, tola, baht, mesghal, ton, lb/oz, newton

AUDIO TONE:

yes (keypad confirmation)

OPERATING HUMIDITY:

Less than 95% RH

OPERATING TEMPERATURE RANGE:

10° - 30°C (273-303 K, 50° - 86°F)

ALLOWABLE AMBIENT

OPERATING TEMPERATURE:

41°F to 104°F (5°C to 40°C)

SENSITIVITY DRIFT

(WITHIN 10° TO 30°C):

Analytical, ATL-423-I: $\leq \pm 2 \times 10^{-6}$ 1/K
 ATL-153-I: $\leq \pm 5 \times 10^{-6}$ 1/K

STABILIZATION TIME (TYPICAL):

ATL-423-I: 1 second
 ATL-153-I: 1.3 second
 Analytical - 2.5 second

ADAPTATION TO AMBIENT CONDITIONS:

By selection of 1 of 4 optimized filter levels

DISPLAY UPDATE:

0.1-0.4 (depends on filter level selected)

WEIGHING PAN SIZE

4.53 in (115 mm) dia
 Analytical-90 mm

WEIGHING CHAMBER (DIA x H):

6.5 in x 2.42 in (165 mm x 61.5 mm)
 Analytical-230 mm

DIMENSIONS (W x D x H):

9.05 in x 12.99 in x 12.99 in
 (230 mm x 330 mm x 330 mm)

SHIPPING WEIGHT:

Analytical, ATL-423-I: 12 lb
 ATL-153-I: 11 lb

AC POWER REQUIREMENTS:

AC adaptor, 115V or 230V, +15% - -20%

FREQUENCY:

50-60Hz

POWER CONSUMPTION (AVG.):

Maximum 16VA; typical 8 (STNG6)

WARRANTY:

Two-year limited warranty

PART #	ACCULAB MODEL #	CAPACITY	CALIBRATION WEIGHT	EST. SHIP WEIGHT
Analytical Balances				
103035	ATL-84-I	80 g x 0.0001 g	50 g (E2)	12 lb
103034	ATL-124-I	120 g x 0.0001 g	100 g (E2)	12 lb
103033	ATL-224-I	220 g x 0.0001 g	200 g (E2)	12 lb
Milligram Balance				
103036	ATL-423-I	420 g x 0.001 g	200 g (E2)	12 lb
103037	ATL-153-I	150 g x 0.001 g	100 g (E2)	11 lb