



sartorius group

Precision Weighing Balances

Tele: 978-521-7095

www.balances.com



ATL 0.1g Specifications

| Model | ATL-8201-I |
|---|---|
| Weighing capacity | 8200g |
| Readability | 0.1g |
| Tare range (subtractive) | 8200g |
| Repeatability (std. deviation) | $\leq \pm 0.1g$ |
| Linearity | $\leq \pm 0.3g$ |
| Corner Load | $\leq \pm 0.3g$ |
| External calibration weight | 5000g (F2) |
| Weighing Modes | UserDef., Grams, Kilograms, Carats, Pounds, Ounces, Troy ounces, Hong Kong Taels, Singapore Taels, Grains, Pennyweights, Milligrams, Parts per pound, Chinese taels, Mommies, Austrian carats, Tola, Baht, Mesghal, Tons, lb/oz, Newton |
| Applications | Weighing, Unit toggle, Counting, Percent weighing, Net-total, Totalizing, Animal weighing, Calculation, Density determination |
| Display Type | LCD, Amber Backlit |
| Audio Tone | Yes |
| Overload Protection | Yes |
| Overload Indication | Displays "High" |
| Underload indication | Displays "Low" |
| Operating Humidity | Less than 95% RH |
| Operating Temperature range | +10°... +30° C (273....303 K, 50°...86° F) |
| Allowable Ambient Operating Temperature | 42°F to 104°F (5°C to 40°C) |
| Sensitivity drift within +10° to +30° C | $\leq \pm 10 \times 10^{-6} / K$ |
| Stabilization Time (typical) | 1 second |
| Adaptation to ambient conditions | By selection of 1 of 4 optimized filter levels |
| Display Update (depends on the filter setting selected) | Display update 0.1 - 0.4 (depends on filter level selected) |
| Net weight, approx. | 2.7kg 3.5kg |
| Weighing pan size/ Type | 180mm x 180mm / 7.09in. x 7.09in. |
| Dimensions (W x D x H) | 230mm x 303mm x 91mm / 9.05in. x 11.93in. x 3.58in. |
| Shipping Weight | 11lbs |
| AC Power Requirements | AC adapter, 115V or 230V, +15%...-20% |
| Frequency | 50 - 60HzP |
| Power Consumption (avg.) | Maximum 16VA; typical 8 (STNG6) |
| Optional Accessories | Data Printer, Remote Display, External Battery Pack, Data cable, Locking Device |
| Warranty | 2 Year Manufacture Warranty |



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 131 Heartland Blvd., Edgewood NY 11717
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ATL 0.01g Specifications

| Model | ATL4202-I | ATL-2202-I | ATL822-I |
|---|---|------------------------------------|------------------------------------|
| Weighing capacity | 4200g | 2200g | 820g |
| Readability | 0.01g | 0.01g | 0.01g |
| Tare range (subtractive) | 4200g | 2200g | 820g |
| Repeatability (std. deviation) | $\leq \pm 0.01g$ | $\leq \pm 0.01g$ | $\leq \pm 0.01g$ |
| Linearity | $\leq \pm 0.02g$ | $\leq \pm 0.02g$ | $\leq \pm 0.03g$ |
| Corner Load | $\leq \pm 0.04g$ | $\leq \pm 0.04g$ | $\leq \pm 0.03g$ |
| External calibration weight | 2000 (E2) | 2000 (F1) | 500 (F2) |
| Weighing Modes | UserDef., Grams, Kilograms, Carats, Pounds, Ounces, Troy ounces, Hong Kong Taels, Singapore Taels, Grains, Pennyweights, Milligrams, Parts per pound, Chinese taels, Mommies, Austrian carats, Tola, Baht, Mesghal, Tons, lb/oz, Newton | | |
| Applications | Weighing, Unit toggle, Counting, Percent weighing, Net-total, Totalizing, Animal weighing, Calculation, Density determination | | |
| Display Type | LCD, Amber Backlit | | |
| Audio Tone | Yes | | |
| Overload Protection | Yes | | |
| Overload Indication | Displays "High" | | |
| Underload indication | Displays "Low" | | |
| 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 | $\leq \pm 2 \times 10^{-6} / K$ | $\leq \pm 2 \times 10^{-6} / K$ | $\leq \pm 5 \times 10^{-6} / K$ |
| Stabilization Time (typical) | 1.1 second | 1.1 seconds | 1.0 seconds |
| Adaptation to ambient conditions | By selection of 1 of 4 optimized filter levels | | |
| Display Update (depends on the filter setting selected) | Display update 0.1 - 0.4 (depends on filter level selected) | | |
| Net weight, approx. | 3.1kg 3.5kg | 3.1kg 3.5kg | 2.0kg 2.6kg |
| Weighing pan size/ Type | 180 x 180mm x 7.09in. | 180 x 180mm 7.09 x 7.09in. | 115mm Ø 4.53 in. Ø |
| Dimensions (W x D x H) | 230x303x91mm 9.06x11.93x3.58in. | 230x303x91mm 9.06x11.93x3.58in. | 230x303x87mm 9.06x11.93x3.43in. |
| Shipping Weight | 12lbs | 12lbs | 9lbs |
| AC Power Requirements | AC adapter, 115V or 230V, +15%...-20% | | |
| Frequency | 50 - 60Hz | | |
| Power Consumption | Maximum 16VA; typical 8 (STNG6) | | |
| Optional Accessories | Data Printer, Remote Display, External Battery Pack, Data Cable, Locking Device | | |
| Warranty | 2 Year Manufacture Warranty | | |



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ATL Miligram Specifications

| Model | ATL423-I | ATL-153-I |
|---|---|--|
| Weighing capacity | 420g | 150g |
| Readability | 0.001g | 0.001g |
| Tare range (subtractive) | 420g | 150g |
| Repeatability (std. deviation) | $\leq \pm 0.001g$ | $\leq \pm 0.001g$ |
| Linearity | $\leq \pm 0.002g$ | $\leq \pm 0.003g$ |
| Corner Load | $\leq \pm 0.003g$ | $\leq \pm 0.004g$ |
| External calibration weight | 200 (F1) | 100 (F1) |
| Weighing Modes | UserDef., Grams, Kilograms, Carats, Pounds, Ounces, Troy ounces, Hong Kong Taels, Singapore Taels, Grains, Pennyweights, Milligrams, Parts per pound, Chinese taels, Mommies, Austrian carats, Tola, Baht, Mesghal, Tons, lb/oz, Newton | |
| Applications | Weighing, Unit toggle, Counting, Percent weighing, Net-total, Totalizing, Animal weighing, Calculation, Density determination | |
| Display Type | LCD, Amber Backlit | |
| Audio Tone | Yes | |
| Overload Protection | Yes | |
| Overload Indication | Displays "High" | |
| Underload indication | Displays "Low" | |
| Operating Humidity | Less than 95% RH | |
| Operating Temperature range | $+10^{\circ} \dots +30^{\circ} \text{ C}$ (273...303 K, $50^{\circ} \dots 86^{\circ} \text{ F}$) | |
| Allowable Ambient Operating Temperature | 41°F to 104°F (5°C to 40°C) | |
| Sensitivity drift within $+10^{\circ}$ to $+30^{\circ} \text{ C}$ | $\leq \pm 2 \times 10^{-6} / \text{K}$ | $\leq \pm 5 \times 10^{-6} / \text{K}$ |
| Stabilization Time (typical) | 1 second | 1.3 seconds |
| Adaptation to ambient conditions | By selection of 1 of 4 optimized filter levels | |
| Display Update | Display updat 0.1 - 0.4 (depends on filter level selected) | |
| Net weight, approx. | 3.2kg 3.6kg | 2.6kg 3.0kg |
| Weighing pan size/ Type | 115mm / 4.53 in. Ø | |
| Weighing Chamber (Diameter /Height) | 165mmØ/ 61.5mm Ø/ 2.42in. | 6.5in. 165mmØ/ 61.5mm Ø/ 2.42in. 6.5in. |
| Dimensions (W x D x H) | 230mm x 303mm x 136mm / 9.05in. x 11.93in. x 5.35in. | |
| Shipping Weight | 12lbs | 11lbs |
| AC Power Requirements | AC adapter, 115V or 230V, +15%....-20% | |
| Frequency | 50 - 60Hz | |
| Power Consumption (avg.) | Maximum 16VA; typical 8 (STNG6) | |
| Optional Accessories | Data Printer, Remote display, External Battery pack, Data cable, Locking Device. | |
| Warranty | 2 Year Manufacture Warranty | |