



sartorius group  
 131 Heartland Blvd., Edgewood NY 11717  
 Tele: 800-656-4400 / 631-254-4299  
[www.Acculab.com](http://www.Acculab.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 - 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



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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	$+10^{\circ}\dots +30^{\circ}\text{ C}$ ( $273\dots 303\text{ K}$ , $50^{\circ}\dots 86^{\circ}\text{ F}$ )		
Allowable Ambient Operating Temperature	$41^{\circ}\text{F}$ to $104^{\circ}\text{F}$ ( $5^{\circ}\text{C}$ to $40^{\circ}\text{C}$ )		
Sensitivity drift within $+10^{\circ}$ to $+30^{\circ}\text{ C}$	$\leq \pm 2 \times 10^{-6} / \text{K}$	$\leq \pm 2 \times 10^{-6} / \text{K}$	$\leq \pm 5 \times 10^{-6} / \text{K}$
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.	$3.1\text{kg} \mid 3.5\text{kg}$	$3.1\text{kg} \mid 3.5\text{kg}$	$2.0\text{kg} \mid 2.6\text{kg}$
Weighing pan size/ Type	$180 \times 180\text{mm}$ $7.09 \times 7.09\text{in.}$	$180 \times 180\text{mm}$ $7.09 \times 7.09\text{in.}$	$115\text{mm } \varnothing$ $4.53 \text{ in. } \varnothing$
Dimensions (W x D x H)	$230 \times 303 \times 91\text{mm}$ $9.06 \times 11.93 \times 3.58\text{in.}$	$230 \times 303 \times 91\text{mm}$ $9.06 \times 11.93 \times 3.58\text{in.}$	$230 \times 303 \times 87\text{mm}$ $9.06 \times 11.93 \times 3.43\text{in.}$
Shipping Weight	12lbs	12lbs	9lbs
AC Power Requirements	AC adapter, 115V or 230V, $+15\%\dots -20\%$		
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 Milligram 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	$+10^{\circ} \dots +30^{\circ} \text{ C}$ ( $273 \dots 303 \text{ K}$ , $50^{\circ} \dots 86^{\circ} \text{ F}$ )	
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 update 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	