

TA-Series

Analytical & Toploading Balances



AINSWORTH

Established 1880

The performance you need at the price you want



TA-Series Analytical Balances

Analytical balances with capacities from 60g to 210g offer a weighing chamber with easy-access top and side sliding doors.

TA-Series Toploading Balances

Toploading balances with capacities from 150g to 12,000g are perfect for a variety of weighing applications.

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Budget Conscious Price. The TA-Series balance is the economical solution to your weighing needs. We've included all the required features for straight-forward weighing, no more, no less.

Easy operation. Large "TARE" key provides quick zeroing of the balance. Basic weighing is effortless. Use "FUNCTION" key to toggle between weigh units or applications.

Multiple weighing modes. With the press of a single key, toggle between two weigh units. Choose from a set of nineteen including: grams, ounces, grains, carats, pounds, troy ounces, or tael.

Percent weighing. The versatile features of these balances allow measurement of a percent proportional to a reference weight. Eliminate human errors by seeing the weight increase or decrease in percentage points instead of typical weighing units.

Net total weighing. Perfect for formulation. Place first component on the balance. Press the "FUNCTION" button and the individual weight is stored and the balance is automatically tared. Repeat with multiple components up to the capacity of the balance. When done the cumulative weight is displayed and can be printed.



Calibration is a snap. Use a precision external weight to assure that every reading is accurate. Press the "CAL" button, add the calibration weight and instantly the balance completes the calibration.

RS232 interface. Connect the TA-Series balance to a computer or printer for a permanent record of results. Press the "Print" key and the results are transferred automatically.

Built to last. These balances are constructed to withstand the rigors of diverse environments from educational to industrial use. Built-in overload protection guards against damage due to misuse. Level feet assure balance is level and the level vial illustrates position hasn't changed since last calibration.



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Specifications

Precision Analytical Balances

Model	TA-64	TA-124	TA-214
Capacity	60g	120g	210g
Readability	0.1mg	0.1mg	0.1mg
Taring Range	0 to 60g	0 to 120g	0 to 210g
Repeatability	0.1mg	0.1mg	0.1mg
Linearity	0.2mg	0.2mg	0.2mg
Stabilization Time	3 sec.	3 sec.	3 sec.
Pan Size	3.3" dia. (80mm)	3.3" dia. (80mm)	3.3" dia. (80mm)



Precision Toploading Balances

Model	TA-153*	TA-313*	TA-1502	TA-3102
Capacity	150g	310g	1500g	3100g
Readability	0.001g	0.001g	0.01g	0.01g
Taring Range	0 to 150g	0 to 310g	0 to 1500g	0 to 3100g
Repeatability	0.001g	0.001g	0.02g	0.01g
Linearity	0.002g	0.002g	0.03g	0.02g
Stabilization Time	3 sec.	3 sec.	3 sec.	3 sec.
Pan Size	3.9" dia. (100mm)	3.9" dia. (100mm)	6.9 x 5.6" (174 x 143mm)	6.9 x 5.6" (174 x 143mm)

Model	TA-3101	TA-6101	TA-12
Capacity	3100g	6100g	12,000g
Readability	0.1g	0.1g	1g
Taring Range	0 to 3100g	0 to 6100g	0 to 12,000g
Repeatability	0.1g	0.1g	1g
Linearity	0.2g	0.2g	2g
Stabilization Time	2 sec.	2 sec.	2 sec.
Pan Size	6.9 x 5.6" (174 x 143mm)	6.9 x 5.6" (174 x 143mm)	6.9 x 5.6" (174 x 143mm)

*also available with analytical draft shield

Common Specifications:

Unit Dimensions (LxWxH) Analyticals:	7.4 x 9.9 x 11.8" (18.9 x 25.1 x 29.9cm)
Unit Dimensions (LxWxH) Toploaders:	7.4 x 9.9 x 4.7" (18.9 x 25.1 x 7.0cm)
Internal Analytical Chamber Dimensions:	5.5 x 6.5 x 8.5" (140 x 165 x 216mm)
	Height Above Pan: 7.9" (201mm)
Net Weight Analyticals:	6.6 lbs. (3.0kg)
Net Weight Toploaders:	4.9 lbs. (2.2kg)
Operating Temperature:	10°-30°C (50°-86° F)

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