

## Timberline Series

Analytical and Toploading Balances



# Timberline Series Balances

The performance you need at at the price you want

**Timberline Series are entry-level balances for fundamental weighing tasks. The solid construction and simplistic operation make these balances the ideal choice.**

**Budget conscious price.** The Timberline 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.

**Parts counting.** Timberline Series balances are ideal for inventory and process control. Simply place the reference quantity (10, 20, 50 or 100 pieces) on the pan and the balance will do the rest. Add or subtract pieces for an accurate piece count.



## Features Include:

- Toggle between two weigh units including grams, milligrams and ounces
- Automatic external calibration using a precision calibration weight (purchase separately)
- Helpful programs, such as counting, percent weighing, formulation, average weighing, simplify weighing tasks
- RS232 port standard for data transfer to printer or computer
- Weighing has never been easier thanks to a clear display and a keypad with large function keys
- Level indicator and adjustable feet
- Stainless-steel weigh pan
- Overload protection

**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 Timberline 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.





Analytical Models:  
TP-64, TP-114, TP-214



Toploading Models:  
TP-153, TP-323



Toploading Models:  
TP-1502, TP-3102, TP-3101, TP-6101, TP-12

Model	TP-64	TP-114	TP-214	TP-153*	TP-323*
Capacity	60g	110g	210g	150g	320g
Readability	0.1mg	0.1mg	0.1mg	0.001g	0.001g
Taring Range	0 to 60g	0 to 110g	0 to 210g	0 to 150g	0 to 320g
Repeatability	0.1mg	0.1mg	0.1mg	0.001g	0.001g
Linearity	0.2mg	0.2mg	0.2mg	0.002g	0.002g
Stabilization Time	3 sec.	3 sec.	3 sec.	3 sec.	3 sec.
Pan Size	3.3" dia. (80mm)	3.3" dia. (80mm)	3.3" dia. (80mm)	3.9" dia. (100mm)	3.9" dia. (100mm)

Model	TP-1502	TP-3102	TP-3101	TP-6101	TP-12
Capacity	1500g	3100g	3100g	6100g	12,000g
Readability	0.01g	0.01g	0.1g	0.1g	1g
Taring Range	0 to 1500g	0 to 3100g	0 to 3100g	0 to 6100g	0 to 12,000g
Repeatability	0.02g	0.01g	0.1g	0.1g	1g
Linearity	0.03g	0.02g	0.2g	0.2g	2g
Stabilization Time	3 sec.	3 sec.	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)	6.9 x 5.6" (174 x 143mm)	6.9 x 5.6" (174 x 143mm)

\* "DS" models 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 2.8" (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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