

# TA SERIES

ANALYTICAL  
TUNING FORK  
BALANCE



The mono-metal tuning fork sensor provides unrivaled stability with an extremely small margin of error. In this tiny device, experience sensitivity 50 times greater than that of any load cell.

**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS  
To be the best by every measure™

[www.ricelake.com](http://www.ricelake.com)

# TA SERIES ANALYTICAL TUNING FORK BALANCE



## Save Time. Save Accuracy.

In many busy laboratory environments, time is wasted waiting for balances to stabilize and adjust to their surroundings. But saving time doesn't mean you have to sacrifice accuracy. The TA Series is Rice Lake's first ever analytical balance to feature the Mono-Metal Tuning Fork Sensor. A tuning fork system eliminates the need for stabilization time while maintaining the accuracy and precision you expect in an analytical balance.

### Plug In & Go:

Unique tuning fork technology cuts startup time by 90%, eliminating the need for stabilization time while maintaining exceptional accuracy.

### Anti-static Shield:

A 360° anti-static barrier prevents localized charges from depositing on the balance. Stray charges are prevented from impacting the weighed material, thereby eliminating a cause of error while allowing for a full view of the weighing area.

### RS-232 Interface

The RS-232 interface is equipped to connect to a PC, printer, or other outside device, allowing users to create and print data records for ISO/GLP/GMP compliance.

### Automatic Calibration:

Calibration is fully automatic and can be prompted with the touch of a button using the system's Automatic Repeatability Measurement (ARM) and automatic span adjustment.

### Fully Programmable:

The TA Series has remarkable flexibility with a large selection of modes to fit your needs.

- Weigh Mode—Toggle between two units of measurement
- Piece Mode—Total count is displayed
- Percentage Weighing—A sample is referenced to a 100% standard given
- Unit Conversion—Converts values of 13 separate units of measurement
- Gravimeter—Using optional under hook
- Cumulate Function—Adds samples to supply cumulative weight
- Net Addition Function—Automatically performs tare range after addition
- Limit Function—References weight to stored limits
- Bar Graph—Graph displays range within two points

### Standard Features

- Anti-electrostatic 360° transparent windshield
- Large backlit 16.5 mm Liquid Crystal Display (LCD) displays 8 digits
- Single-touch response setting for environment
- 40-step bar graph display
- RS-232 interface
- Tuning fork design
- Internal calibration
- ISO/GLP/GMP compliant printing record
- Under-weigh hook included

### Specifications

Capacity:	120g	220g
Resolution:	0.0001g	0.0001g
Calibration:	Built-in weight	
Dimensions (W x D x H):	290mm x 200mm x 306mm	
Pan Size:	80mm	
RS-232:	Baud rate: 1200/2400/4800/9600/19200bps ASCII codes: 8/7 bits Parity bit: None/Odd/Even	
Repeatability/Std Dev:	1 division	
Linearity:	+/- 1 division	
Tare:	Full weighing range	
Modes:	Weighing, counting, percentage, unit converting	
Units of Measure:	Grams, milligrams, carat, ounces, pounds, troy ounces, pennyweight, grain, momme, tael (Hong Kong), tael (Singapore), tael (Taiwan), tola	
Operating Temperature:	10°C to 30°C, 50°F to 86°F 80% RH or lower	
Power Source:	AC 120/230V DC9V	
Warranty:	Five-year limited warranty	

Your Rice Lake Weighing Systems distributor is:

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Specifications subject to change without notice.

