

PRECISION™

BY TRANSCAT®



TCT Series Laboratory Balances

ADVANCED TECHNOLOGY

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Advanced weighing performance Maximum ease of operation

The TCT Series balances come standard with internal calibration, designed to make weighing easier than ever. Let your TCT Series balance calibrate automatically, or set it to calibrate at a specific time each day.

Ease of operation with the 5" color capacitive touchscreen display

The TCT Series balances feature the latest generation display maximizing comfort. The clear menu and practical arrangement of the display guarantees the best ergonomics for your everyday tasks.

Aluminum base housing

All semi-micro and analytical models now come standard with an aluminum base. This allows for increased measuring system stability with uniform temperature distribution over the housing.

Hands-Free operation

Built-in IR sensors allow numerous operations (e.g. taring, transmitting the result to a printer or selecting successive steps of a process, etc.) to be performed by simply moving a hand across the sensor.

Numerous communication possibilities

With a large variety of data communication options, the possibilities of the TCT Series balances endless. Printing, copying, archiving, and data transfer are easier with the ability to connect via WiFi, Ethernet, USB-A and USB-B, or RS 232 ports.

Data safety

The balances feature ALIBI memory that safe-guards your measurements. Options such as data preview, copying, and archiving are also available.

Five year - industry leading warranty

Feel confident knowing your TCT Series balance includes a worry-free, 5 year warranty.

Accredited Calibration Certificate Available on all Models

Accredited ISO/IEC 17025:2017 Calibration certificates available with every balance.



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Semi-Micro/Analytical Balances

Model	TCT-125.C	TCT-225.C	TCT-164.C	TCT-224.C	TCT-314.C	TCT-524.C
Maximum Capacity	120g	82/220 g	160 g	220 g	310 g	520 g
Readability [d]	0.01 mg	0.01/0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (5% Max)	0.012 mg	0.012 mg	0.06 mg	0.06 mg	0.07 mg	0.07 mg
Repeatability (Max)	0.03 mg	0.07 mg	0.07 mg	0.07 mg	0.1 mg	0.2 mg
Minimum weight (USP)	24 mg	24 mg	120 mg	120 mg	140 mg	140 mg
Minimum weight (U=1%, k=2)	2.4 mg	2.4 mg	12 mg	12 mg	14 mg	14 mg
Linearity	±0.05 mg	±0.05 mg / ±0.2 mg	±0.2 mg	±0.2 mg	±0.3 mg	±0.4 mg
Adjustment	Internal	Internal	Internal	Internal	Internal	Internal
Stabilization Time	2 s	2 s	2 s	2 s	2.5 s	2.5 s
Pan Size	90 mm (3.3 in)	90 mm (3.3 in)	100 mm (3.9 in)	100 mm (3.9 in)	100 mm (3.9 in)	100 mm (3.9 in)
Unit Dimensions	351 × 205.5 × 222 mm (13.8 × 8.1 × 8.7in)	351 × 205.5 × 348 mm (13.8 × 8.1 × 13.7in)	351 × 205.5 × 222 mm (13.8 × 8.1 × 8.7in)	351 × 205.5 × 222 mm (13.8 × 8.1 × 8.7in)	351 × 205.5 × 222 mm (13.8 × 8.1 × 8.7in)	351 × 205.5 × 222 mm (13.8 × 8.1 × 8.7in)
Communication ports	RS232, 2 × USB-A, USB-B, Wireless Connection	RS232, 2 × USB-A, USB-B, Wireless Connection	RS232, 2 × USB-A, USB-B, Wireless Connection	RS232, 2 × USB-A, USB-B, Wireless Connection	RS232, 2 × USB-A, USB-B, Wireless Connection	RS232, 2 × USB-A, USB-B, Wireless Connection

Milligram Balances

Model	TCT-363.C	TCT-603.C	TCT-1003.C	TCT-3003.C
Maximum Capacity	360 g	600 g	1000 g	3000 g
Readability [d]	1 mg	1 mg	1 mg	1 mg
Repeatability (5% Max)	0.5 mg	0.5 mg	0.5 mg	0.5 mg
Repeatability (Max)	1 mg	1.5 mg	1.5 mg	1.5 mg
Minimum weight (USP)	1 g	1 g	1 g	1 g
Minimum weight (U=1%, k=2)	0.1 g	0.1 g	0.1 g	0.1 g
Linearity	±2 mg	±3 mg	±3 mg	±4 mg
Adjustment	Internal	Internal	Internal	Internal
Stabilization Time	2 s	2 s	2 s	3 s
Pan Size	128 x 128 mm (5.7 x 5.7 in)	128 x 128 mm (5.7 x 5.7 in)	128 x 128 mm (5.7 x 5.7 in)	128 x 128 mm (5.7 x 5.7 in)
Unit Dimensions	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)
Communication ports	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection

Toploading Balances

Model	TCT-2102.C	TCT-4502.C	TCT-6002.C	TCT-8102.C	TCT-10102.C
Maximum Capacity	2100 g	4500 g	6000 g	8100 g	10100 g
Readability [d]	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g
Repeatability (5% Max)	0.005 g	0.005 g	0.005 g	0.005 g	0.005 g
Repeatability (Max)	0.008 g	0.008 g	0.008 g	0.01 g	0.012 g
Minimum weight (USP)	1 g	1 g	1 g	1 g	1 g
Minimum weight (U=1%, k=2)	10 g	10 g	10 g	10 g	10 g
Linearity	±0.02 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g
Adjustment	Internal	Internal	Internal	Internal	Internal
Stabilization Time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Pan Size	195 x 195 mm (7.7 x 7.7in)	195 x 195 mm (7.7 x 7.7in)	195 x 195 mm (7.7 x 7.7in)	195 x 195 mm (7.7 x 7.7in)	195 x 195 mm (7.7 x 7.7in)
Unit Dimensions	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)	333 × 206 × 100 mm (13.1 × 8.1 × 3.9in)
Communication ports	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection	2 × RS232, USB (A&B), Wireless Connection

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Semi-micro

Analytical

Milligram

Toploading