

labForce

powered by *Thomas Scientific*

$sd \leq 1d$

Even faster weighing

2-point adjustment system



TS-U Ultra-microbalances and microbalances

PROFESSIONAL LEVEL

Ultra-microbalances and microbalances

Professional level

Faster measurement with the new CPU

TS-U Series balances feature a Dual Core 2 x 1 GB processor, which delivers noticeable performance improvements, including faster operation and shorter stabilization time retaining high repeatability values.

8 GB RAM – more data management possibilities

8 GB RAM offers the possibility of recording data as complex reports. Time and statistic data diagrams on series of weighings are another useful option.

The best possible repeatability and USP regulations conformity

The best weighing accuracy and repeatability – with $sd \leq 1d$ combined with USP regulations conformity (Section 41 and 1251) make the balances a new standard for mass measurement quality.

Hands free operation

Easily configure IR Proximity sensors to perform common tasks such as open/closing weighing chamber, zeroing, taring, and many more.

Data safety

Every balance features ALIBI memory designed to provide protection and automatic recording of your measurements. Options such as data preview, copying and archiving are also available to users.

Three year warranty included on all models



Model	TS-U-2.1	TS-U-2	TS-U-5	TS-U-5.F	TS-U-11	TS-U-21	TS-U-21.P
Maximum Capacity	2.1 g	2.1 g	5.1 g	5.1 g	11 g	21 g	21 g
Readability [d]	0.1 µg	1 µg	1 µg	1 µg	1 µg	1 µg	1 µg
USP minimum sample weight	0.9 mg	1 mg	2 mg	2mg	2.4 mg	2.4 mg	2.4 mg
Repeatability	0.25 µg (Rt ≤ 0.2 g) 0.4 µg (0.2 g < Rt ≤ 2g)	0.5 µg (Rt ≤ 0.2 g) 1 µg (0.2 g < Rt ≤ 2g)	1 µg (Rt ≤ 1 g) 1.6 µg (1 g < Rt ≤ 5.1g)	1 µg (Rt ≤ 1 g) 1.6 µg (1 g < Rt ≤ 5g)	1.2 µg (Rt ≤ 1 g) 2 µg (1g < Rt ≤ 5 g) 2.5 µg (5 g < Rt ≤ 11 g)	1.2 µg (Rt ≤ 1g) 2 µg (1 g < Rt ≤ 5 g) 2.5 µg (5 g < Rt ≤ 11 g) 3 µg (11 g < Rt ≤ 21 g)	1.2 µg (Rt ≤ 1 g) 2 µg (1 g < Rt ≤ 5 g) 2.5 µg (5 g < Rt ≤ 11 g) 3 µg (11 g < Rt ≤ 21 g)
Linearity	±1.5 µg	±3 µg	±5 µg	±5 µg	±6 µg	±7 µg	±7 µg
Weighing pan size	ø 16 mm	ø 16 mm	ø 26 mm	ø 100 mm	ø 26 mm	ø 26 mm	ø 26 mm
Automatic doors	X	X	X		X	X	X
Display type	5.7" color resistive touch screen						
Adjustment	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Communication ports	2 × USB-A, 2 × RS232, Wireless Connection, Ethernet, 4 × IN / 4 × OUT						
Catalog Number	1160U38	1160U39	1160U40	1160U41	1160U42	1160U43	1160U44