WTC Precision Balances

Compact and mobile solution of standard class allowing universal mass measurement

WTC, d = 0.001 g

WTC: d = 0.01 g, d = 0.1 g

Communication interfaces

Functions

- Parts counting
- Percent weighing
- Totalizing
- In-built battery
- Replaceable unit
- +/- Control
- Peak hold

Features

Measurements Accuracy and Performance
Measurement accuracy and robust design of the WTC balances enable precise mass determination under laboratory and industrial conditions.

Fast Measurement and Uncomplicated Operation
Easy operation enables fast and reliable measurements to be carried out even by an inexperienced operator.

Clearly Presented Indications
Simple and easy-to-read LCD display assures clear presentation of the weighing result under various working conditions.

Mobility Due to an Internal Battery
In addition to power supply from the mains, the WLC balances are equipped with an external battery that enables several hours long mobile operation.

Compact Mechanical Design
Small size and compact design enable easy transport of the balance and operation at any workplace, even on a small surface.

Technical Specifications

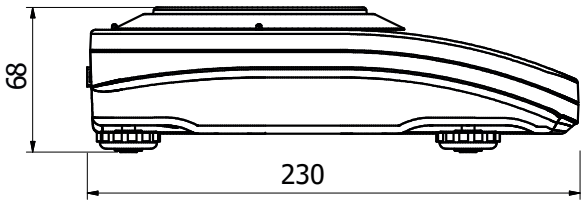
	WTC 200	WTC 600	WTC 600.1	WTC 2000	WTC 3000
Maximum capacity [Max]	200 g	600 g	600 g	2000 g	3100 g
Minimum load	—	0.5 g	—	—	—
Readability [d]	0.001 g	0.01 g	0.01 g	0.01 g	0.1 g
Verification scale interval [e]	—	0.1 g	—	—	—
Tare range	–200 g	–600 g	–600 g	–2000 g	–3100 g
Repeatability*	0.002 g	0.01 g	0.01 g	0.01 g	0.1 g
Linearity	±0.004 g	±0.02 g	±0.02 g	±0.03 g	±0.3 g
Stabilization time	2 s	2 s	2 s	2 s	2 s
Adjustment	external	—	external	external	external
Verification	—	Yes	—	—	—
OIML Class	—	II	—	—	—
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keypad	5 keys	5 keys	5 keys	5 keys	5 keys
Protection class	IP 43	IP 43	IP 43	IP 43	IP 43
USB-A	1	–	1	1	1
USB-B	1	–	1	1	1
RS 232	1	1	1	1	1
Power supply	100 ÷ 240 V, AC 50 ÷ 60 Hz / 12 V DC + battery	100 ÷ 240 V, AC 50 ÷ 60 Hz / 12 V DC + battery	100 ÷ 240 V, AC 50 ÷ 60 Hz / 12 V DC + battery	100 ÷ 240 V, AC 50 ÷ 60 Hz / 12 V DC + battery	100 ÷ 240 V, AC 50 ÷ 60 Hz / 12 V DC + battery
Operation time on batteries	33 h	33 h	33 h	33 h	33 h
Power consumption	10 W	10 W	10 W	10 W	10 W
Operating temperature	+15° ÷ +30° C	+15° ÷ +30° C	+15° ÷ +30° C	+15° ÷ +30° C	+15° ÷ +30° C
Atmospheric humidity**	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %
Weighing pan dimensions	ø 100	128 × 128 mm	128 × 128 mm	128 × 128 mm	128 × 128 mm
Weighing device dimensions	230 × 160 × 68 mm	230 × 160 × 68 mm	230 × 160 × 68 mm	230 × 160 × 68 mm	230 × 160 × 68 mm
Net weight	1.2 kg	1.3 kg	1.3 kg	1.3 kg	1.3 kg
Gross weight	1.7 kg	2 kg	2 kg	2 kg	2 kg
Packaging dimensions	330 × 220 × 140 mm	330 × 220 × 140 mm	330 × 220 × 140 mm	330 × 220 × 140 mm	330 × 220 × 140 mm

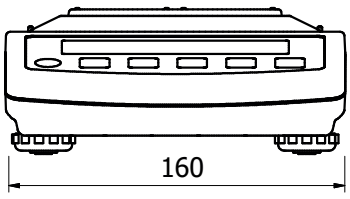
* repeatability is expressed as a standard deviation from 10 weighing cycles

** non-condensing conditions

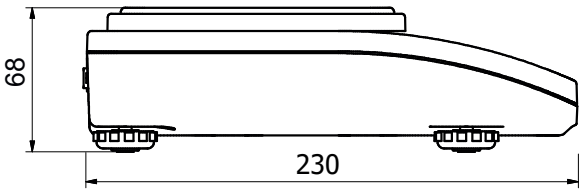
In accordance with type approval, the balance parameters are maintained in temperature range: +15 ÷ +35 °C.

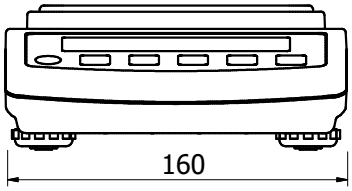
Dimensions





WTC, d = 0.001 g





WTC: d = 0.01 g, d = 0.1 g

Accessories

Cables. Converters
- P0108: RS 232 cable (balance-computer)
- P0151: RS 232 cable (balance - Epson printer)
- KR-01 Converter
- AP2-1 power loop output

Peripheral Devices
- Epson dot matrix printer

Dedicated Software

R-LAB
- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

LabView Driver
- operation of RADWAG balances in LabView environment