

# 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        | Alibi memory | Real-time clock  | Tare memory      |

## 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 WTC balances are equipped with an internal 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 2000	WTC 3000
<b>Maximum capacity [Max]</b>	200 g	600 g	2000 g	3100 g
<b>Minimum load</b>	—	0.5 g	—	—
<b>Readability [d]</b>	0.001 g	0.01 g	0.01 g	0.1 g
<b>Verification scale interval [e]</b>	—	0.1 g	—	—
<b>Tare range</b>	-200 g	-600 g	-2000 g	-3100 g
<b>Repeatability*</b>	0.002 g	0.01 g	0.01 g	0.1 g
<b>Linearity</b>	±0.004 g	±0.02 g	±0.03 g	±0.3 g
<b>Stabilization time</b>	2 s	2 s	2 s	2 s
<b>Adjustment</b>	external	—	external	external
<b>Verification</b>	—	Yes	—	—
<b>OIML Class</b>	—	II	—	—
<b>Display</b>	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
<b>Keypad</b>	5 keys	5 keys	5 keys	5 keys
<b>Protection class</b>	IP 43	IP 43	IP 43	IP 43
<b>USB-A</b>	1	—	1	1
<b>USB-B</b>	1	—	1	1
<b>RS 232</b>	1	1	1	1
<b>Power supply</b>	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
<b>Operation time on batteries</b>	15 h	15 h	15 h	15 h
<b>Power consumption</b>	6 W	6 W	6 W	6 W
<b>Operating temperature</b>	+15° ÷ +30° C	+15° ÷ +30° C	+15° ÷ +30° C	+15° ÷ +30° C
<b>Atmospheric humidity**</b>	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %
<b>Weighing pan dimensions</b>	∅ 100	128 × 128 mm	128 × 128 mm	128 × 128 mm
<b>Weighing device dimensions</b>	230 × 160 × 68 mm	230 × 160 × 68 mm	230 × 160 × 68 mm	230 × 160 × 68 mm
<b>Net weight</b>	1.2 kg	1.3 kg	1.3 kg	1.3 kg
<b>Gross weight</b>	1.7 kg	2 kg	2 kg	2 kg
<b>Packaging dimensions</b>	330 × 220 × 140 mm	330 × 220 × 140 mm	330 × 220 × 140 mm	330 × 220 × 140 mm

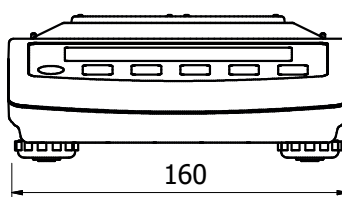
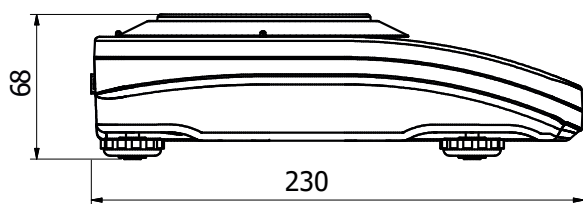
\* repeatability is expressed as a standard deviation from 10 weighing cycles

\*\* non-condensing conditions

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

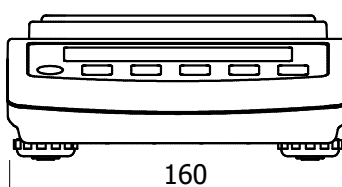
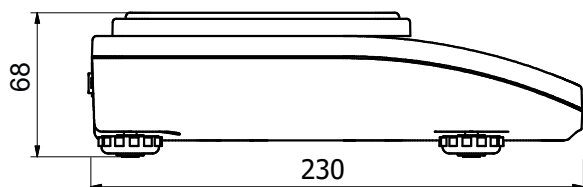
## Dimensions

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## Accessories

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### 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

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### R-LAB

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

### LabView Driver

- operation of RADWAG balances in LabView environment

### Scale editor

- Software designed to enable change of parameters in the PUEC/31 indicator.

### RAD KEY

- Establishing cooperation between a weighing instrument and a computer

### R. Barcode

- The basic function software is presentation of the data sent by barcode scanners connected to PC via USB or RS232

### Radwag Development Studio

- presentation of functions (and subfunctions) of communication protocol (Common Communication Protocol)
- possibility of connection with weighing equipment on which each function is carried out,
- library with mass control, contained within the development environment
- complete documentation of the communication protocol
- set of user manuals for different solutions addressed for programmers employed in companies using RADWAG-manufactured weighing equipment

### RADWAG Connect

- establishing communication with all balances, scales and weighing modules using Common Communication Protocol
- communication via local network,
- support of basic functions
- auto searching for devices
- connecting with few devices simultaneously, swapping between them
- clear list of connected platforms
- record of measurements in the program,
- export of carried out measurements to CSV file,
- work performed using freely selected device with Windows 10 operating system