WLC Precision Balances

Standard weighing and mobility for majority of laboratory and industrial applications

WLC F1/R
direct indicator-platform connection

WLC F1/K
1 m cable connection

WLC C2/R
direct indicator-platform connection

WLC C2/K
2.5 m cable connection

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 WLC 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.

Numerous Variants of Weighing Pan Dimensions
Numerous variants of weighing pan dimensions enable selecting the best weighing instrument suiting specific requirements and needs.

Wide Capacity Range for Different Applications
Due to an exceptionally wide range of capacities it is possible to work with samples of different weight, from few grams to even over one hundred kilograms.

Technical Specifications

	WLC 1/A2	WLC 2/A2	WLC 6/A2	WLC 10/A2	WLC 20/A2
Maximum capacity [Max]	1 kg	2 kg	6 kg	10 kg	20 kg
Minimum load	—	—	5 g	—	—
Readability [d]	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g
Verification scale interval [e]	—	—	1 g	—	—
Tare range	–1 kg	–2 kg	–6 kg	–10 kg	–20 kg
Repeatability*	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g
Linearity	±0.03 g	±0.03 g	±0.2 g	±0.3 g	±0.3 g
Stabilization time	3 s	3 s	3 s	3 s	3 s
Adjustment	external (2 stages)	external (2 stages)	—	external (2 stages)	external (2 stages)
Verification	—	—	Yes	—	—
OIML Class	—	—	II	—	—
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keypad	6 keys	6 keys	6 keys	6 keys	6 keys
Protection class	IP 43	IP 43	IP 43	IP 43	IP 43
USB-A	1	1	1	1	1
USB-B	1	1	1	1	1
RS 232	2	2	2	2	2
IN/OUT**	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
Power consumption	6 W	6 W	6 W	6 W	6 W
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	15 h	15 h	15 h	15 h	15 h
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Atmospheric humidity***	10 ÷ 85% RH	10 ÷ 85% RH	10 ÷ 85% RH	10 ÷ 85% RH	10 ÷ 85% RH
Weighing pan dimensions	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm
Weighing device dimensions	333 × 206 × 97 mm	333 × 206 × 97 mm	333 × 206 × 97 mm	333 × 206 × 97 mm	333 × 206 × 97 mm
Net weight	2.8 kg	2.8 kg	2.8 kg	2.8 kg	2.8 kg
Gross weight	4.3 kg	4.3 kg	4.3 kg	4.3 kg	4.3 kg
Packaging dimensions	470 × 380 × 336 mm	470 × 380 × 336 mm	470 × 380 × 336 mm	470 × 380 × 336 mm	470 × 380 × 336 mm

* repeatability is expressed as a standard deviation from 10 weighing cycles
** optional solution
*** non-condensing conditions
In accordance with type approval, the balance parameters are maintained in temperature range: +15 ÷ +35 °C.