



More information on the website
radwag.com/en/info,w1,WFM

WLC 12/F1/K Precision Balance, WLC 10/A2.IO Precision Balance, WLC 6/F1/R Precision Balance, WLC 1/A2 Precision Balance, WLC 6/A2.IO Precision Balance, WLC 30/F1/R Precision Balance, WLC 60/C2/R Precision Balance, WLC 6/A2 Precision Balance, WLC 60/C2/K Precision Balance, WLC 120/C2/K Precision Balance, WLC 12/F1/R Precision Balance, WLC 120/C2/R Precision Balance, WLC 60/120/C2/R Precision Balance, WLC 2/A2.IO Precision Balance, WLC 20/A2.IO Precision Balance, WLC 6/A2/1 Precision Balance, WLC 6/F1/K Precision Balance, WLC 10/A2 Precision Balance, WLC 2/A2 Precision Balance, WLC 1/A2.IO Precision Balance, WLC 20/A2 Precision Balance, WLC 60/120/C2/K Precision Balance, WLC 30/F1/K Precision Balance



WLC 12/F1/K Precision Balance
WLC 6/F1/K Precision Balance
WLC 30/F1/K Precision Balance



WLC 10/A2.IO Precision Balance
WLC 6/A2.IO Precision Balance
WLC 6/A2 Precision Balance
WLC 20/A2.IO Precision Balance
WLC 10/A2 Precision Balance
WLC 20/A2 Precision Balance



WLC 6/F1/R Precision Balance
WLC 30/F1/R Precision Balance
WLC 12/F1/R Precision Balance



WLC 1/A2 Precision Balance
WLC 2/A2.IO Precision Balance
WLC 2/A2 Precision Balance
WLC 1/A2.IO Precision Balance



WLC 60/C2/R Precision Balance
WLC 120/C2/R Precision Balance
WLC 60/120/C2/R Precision Balance



WLC 60/C2/K Precision Balance
WLC 120/C2/K Precision Balance
WLC 60/120/C2/K Precision Balance



WLC 6/A2/1 Precision Balance

Functions



Plus/Minus Control



Percent Weighing



Totalizing



Parts counting



Internal battery



Peak hold



Newton unit measurement

Datasheet

	WLC 1/A2.IO Precision Balance	WLC 1/A2 Precision Balance	WLC 2/A2.IO Precision Balance
Metrological parameters			
Maximum capacity [Max]	1 kg	1 kg	2 kg
Minimum load	-	—	-
Readability [d]	0,01 g	0,01 g	0,01 g
Verification unit [e]	-	-	-
Tare range	-1 kg	-1 kg	-2 kg
Repeatability	0,01 g	0,01 g	0,01 g
Linearity	±0,03 g	±0,03 g	±0,03 g
Stabilization time	3 s	3 s	3 s
Adjustment	external	external	external
OIML Class	-	—	-
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	195×195 mm	195×195 mm	195×195 mm
Packaging dimensions	430×270×190 mm	430×270×190 mm	430×270×190 mm
Net weight	2,8 kg	2,8 kg	2,8 kg
Gross weight	4 kg	3,5 kg	4 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, 4 IN / 4 OUT	2×RS232, USB-A, USB-B	2×RS232, USB-A, USB-B, 4 IN / 4 OUT
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	15 h (average time)	15 h (average time)	15 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 2/A2 Precision Balance	WLC 6/A2/1 Precision Balance	WLC 6/A2.IO Precision Balance
Metrological parameters			
Maximum capacity [Max]	2 kg	6 kg	6 kg
Minimum load	—	50 g	5 g
Readability [d]	0,01 g	1 g	0,1 g
Verification unit [e]	-	1 g	1 g
Tare range	-2 kg	-6 kg	-6 kg
Repeatability	0,01 g	1 g	0,1 g
Linearity	±0,03 g	±1 g	±0,2 g
Stabilization time	3 s	3 s	3 s
Adjustment	external		-
OIML Class	—	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	195×195 mm	195×195 mm	195×195 mm
Packaging dimensions	430×270×190 mm	430×270×190 mm	430×270×190 mm
Net weight	2,8 kg	2.64 kg	2,8 kg
Gross weight	3,5 kg	3,5 kg	4 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, USB-A, USB-B	2×RS232, USB-A, USB-B	2×RS232, USB-A, USB-B, 4 IN / 4 OUT
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	15 h (average time)	15 h (average time)	15 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 6/A2 Precision Balance	WLC 6/F1/K Precision Balance	WLC 6/F1/R Precision Balance
Metrological parameters			
Maximum capacity [Max]	6 kg	6 kg	6 kg
Minimum load	5 g	5 g	5 g
Readability [d]	0,1 g	0,1 g	0,1 g
Verification unit [e]	1 g	1 g	1 g
Tare range	-6 kg	-6 kg	-6 kg
Repeatability	0,1 g	0,1 g	0,1 g
Linearity	±0,2 g	±0,2 g	±0,2 g
Stabilization time	3 s	3 s	3 s
Adjustment			
OIML Class	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	195×195 mm	300×300 mm	300×300 mm
Packaging dimensions	430×270×190 mm	570×390×170 mm	570×390×170 mm
Net weight	2,64 kg	5,2 kg	5,2 kg
Gross weight	3,5 kg	5,5 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, USB-A, USB-B	RS232	RS232
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	15 h (average time)	10 h (average time)	10 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 10/A2.IO Precision Balance	WLC 10/A2 Precision Balance	WLC 12/F1/R Precision Balance
Metrological parameters			
Maximum capacity [Max]	10 kg	10 kg	12 kg
Minimum load	-	—	—
Readability [d]	0,1 g	0,1 g	0,2 g
Verification unit [e]	-	-	-
Tare range	-10 kg	-10 kg	-12 kg
Repeatability	0,1 g	0,1 g	0,2 g
Linearity	±0,3 g	±0,3 g	±0,6 g
Stabilization time	3 s	3 s	3 s
Adjustment	external	external	external
OIML Class	-	—	—
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	195×195 mm	195×195 mm	300×300 mm
Packaging dimensions	430×270×190 mm	430×270×190 mm	570×390×170 mm
Net weight	2,8 kg	2,8 kg	4,73 kg
Gross weight	4 kg	3,5 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×RS232, USB-A, USB-B, 4 IN / 4 OUT	2×RS232, USB-A, USB-B	RS232
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	15 h (average time)	15 h (average time)	10 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 12/F1/K Precision Balance	WLC 20/A2.IO Precision Balance	WLC 20/A2 Precision Balance
Metrological parameters			
Maximum capacity [Max]	12 kg	20 kg	20 kg
Minimum load	—	—	—
Readability [d]	0,2 g	0,1 g	0,1 g
Verification unit [e]	—	—	—
Tare range	-12 kg	-20 kg	-20 kg
Repeatability	0,2 g	0,1 g	0,1 g
Linearity	±0,6 g	±0,3 g	±0,3 g
Stabilization time	3 s	3 s	3 s
Adjustment	external	external	external
OIML Class	—	—	—
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	300×300 mm	195×195 mm	195×195 mm
Packaging dimensions	570×390×170 mm	430×270×190 mm	430×270×190 mm
Net weight	4,73 kg	2,8 kg	2,63 kg
Gross weight	6 kg	4 kg	3 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	RS232	2×RS232, USB-A, USB-B, 4 IN / 4 OUT	2×RS232, USB-A, USB-B
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	10 h (average time)	15 h (average time)	15 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 30/F1/R Precision Balance	WLC 30/F1/K Precision Balance	WLC 60/C2/R Precision Balance
Metrological parameters			
Maximum capacity [Max]	30 kg	30 kg	60 kg
Minimum load	—	—	50 g
Readability [d]	0,5 g	0,5 g	1 g
Verification unit [e]	-	-	10 g
Tare range	-30 kg	-30 kg	-60 kg
Repeatability	0,5 g	0,5 g	1 g
Linearity	±1,5 g	±1,5 g	±3 g
Stabilization time	3 s	3 s	3 s
Adjustment	external	external	
OIML Class	—	—	II
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	300×300 mm	300×300 mm	400×500 mm
Packaging dimensions	570×390×170 mm	570×390×170 mm	720×620×210 mm
Net weight	4,8 kg	4,8 kg	12,5 kg
Gross weight	6 kg	6 kg	13,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	RS232	RS232	RS232
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	10 h (average time)	10 h (average time)	10 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 60/120/C2/R Precision Balance	WLC 60/C2/K Precision Balance	WLC 60/120/C2/K Precision Balance
Metrological parameters			
Maximum capacity [Max]	60/120 kg	60 kg	60/120 kg
Minimum load	50 g	50 g	50 g
Readability [d]	1/2 g	1 g	1/2 g
Verification unit [e]	10 g	10 g	10 g
Tare range	-120 kg	-60 kg	-120 kg
Repeatability	1 g	1 g	1 g
Linearity	±3 g	±3 g	±3 g
Stabilization time	3 s	3 s	3 s
Adjustment			
OIML Class	II	II	II
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	400×500 mm	400×500 mm	400×500 mm
Packaging dimensions	720×620×210 mm	720×620×210 mm	720×620×210 mm
Net weight	12,5 kg	12,5 kg	12,5 kg
Gross weight	15 kg	13,5 kg	15 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	RS232	RS232	RS232
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	10 h (average time)	10 h (average time)	10 h (average time)
Environmental conditions			
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

Datasheet

	WLC 120/C2/K Precision Balance	WLC 120/C2/R Precision Balance
Metrological parameters		
Maximum capacity [Max]	120 kg	120 kg
Minimum load	—	—
Readability [d]	2 g	2 g
Verification unit [e]	-	-
Tare range	-120 kg	-120 kg
Repeatability	2 g	2 g
Linearity	±6 g	±6 g
Stabilization time	3 s	3 s
Adjustment	external	external
OIML Class	—	—
Physical parameters		
Leveling system	manual	manual
Display	LCD (backlit)	LCD (backlit)
Weighing pan dimensions	400×500 mm	400×500 mm
Packaging dimensions	720×620×210 mm	720×620×210 mm
Net weight	12,5 kg	12,5 kg
Gross weight	13,5 kg	13,5 kg
Construction		
Protection class	IP 43	IP 43
Communication interface		
Communication interface	RS232	RS232
Electrical parameters		
Power supply	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 10 – 15VDC 0,6A max
Operation time on batteries	10 h (average time)	10 h (average time)
Environmental conditions		
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C
Relative humidity	10% ÷ 85% RH no condensation	10% ÷ 85% RH no condensation

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.



Accessories

Balance Storage Case
Antivibration Tables
Power Adapters
RS 232 cables (scale - printer)
Stands, wall mounting kits and mounting brackets
Cigarette lighter receptacle power supply cables
Displays
Under-pan weighing
RS 232, RS 485 cables

Density determination KIT
RS 232 – Ethernet Converter
Receipt Printer
AP2-1 Current Loop Unit
RS 232, RS 485 cables
RS 232 – USB Converter
Protective cover for balances
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

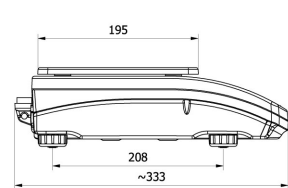
Software

RAD-KEY
Alibi Reader
Scales Editor 2.1

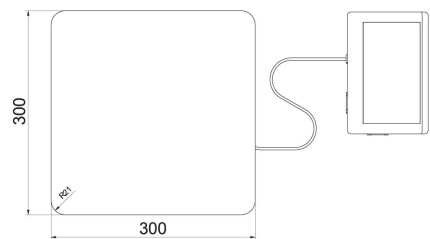
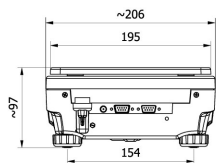
R Panel
R-LAB

Device dimensions

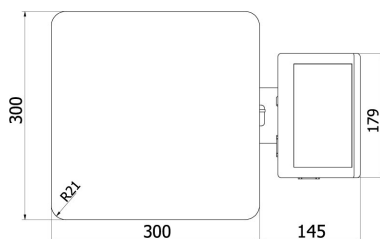
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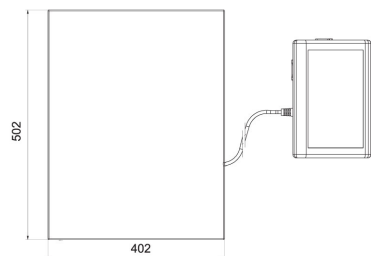
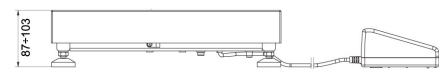
WLC A2



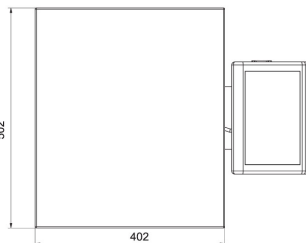
WLC F1/K



WLC F1/R



WLC C2/K



WLC C2/R