

AS 110.R2 PLUS Analytical Balance





The drawings, photos and graphics used are for illustrative purposes only.

Functions









Datasheet

Density determination

Metrological parameters	
Maximum capacity [Max]	110 g
Minimum load	10 mg
Readability [d]	0.1 mg
Verification unit [e]	1 mg
Tare range	-110 g
Standard repeatability [5% Max]	0.06 mg

Standard minimum weight (USP) 120 mg Standard minimum weight (U=1%, k=2) 12 mg Permissible repeatability [5% Max] 0.09 mg Permissible repeatability [Max] 40.2 mg Iniearity 40.2 mg Stabilization time 2 s Adjustment internal (automatic) UML Class Image: Permissible repeatability [Max] Use playses LCD (backlit) Weighing system manual Display LCD (backlit) Weighing chamber doors manual Delivery components 200 mm Weighing pan dimensions 4100 mm Packaging dimensions Wx D x H 490×400×520 mm Net weight 7.3 kg Gross weight 9 kg Construction P43 Communication interface 2x85232*, 2xUSB-A (interchangeable), USB-B, Wi-Fi (option) Electrical parameters Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.4A max 3dapter: 12 – 15V DC 0.4A max Power consumption max. 410 – 440 °C Relative humidity 40% – 80% <th>Wettological parameters</th> <th></th>	Wettological parameters	
Standard minimum weight (U=1%, k=2) 12 mg Permissible repeatability [5% Max] 0.09 mg Permissible repeatability [Max] 0.1 mg Linearity \$0.2 mg Stabilization time 2 s Adjustment internal (automatic) OIML Class I Physical parameters Leveling system manual Display LCD (backlit) Weighing chamber doors manual Delivery components cover, power supply. Weighing pan dimensions #00 mm Packaging dimensions W x D x H 490×400×520 mm Net weight 7.3 kg Gross weight 9 kg Communication interface Communication interface Communication interface 2 kRS232*, 2 kUSB-A (interchangeable), USB-B, Wi-Fi (option) Electrical parameters Adapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Power supply Balance: 12 - 15V DC 0.4A max Power consumption max. 3 W	Standard repeatability [Max]	0.08 mg
Pernissible repeatability [5% Max] 0.09 mg Pernissible repeatability [Max] 0.1 mg Linearity 2.0 mg Stabilization time 2.8 Adjustment internal (automatic) OIML Class I I Physical parameters Leveling system manual Display Lineary manual Display Lobe and the manual Display Lobe and	Standard minimum weight (USP)	120 mg
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Linearity \$0.2 mg Stabilization time 2 s Adjustment internal (automatic) OIML Class I Physical parameters Leveling system manual Display LCD (backlit) Weighing chamber doors manual Delivery components Balance, weighing pan, oslona weighing pans, centring ring, bottom cover, power supply. Weighing pan dimensions W x D x H 490×400×520 mm Net weight 7.3 kg Gross weight y kg Construction Protection class IP 43 Communication interface Communication interface 2 xRS232¹, 2xUSB-A (interchangeable), USB-B, Wi-Fi (option) Electrical parameters Power supply Adapter: 100 - 240 V AC 50/60Hz 0.64; 12V DC 1.2A Balance: 12 - 15V DC 0.4A max Power consumption max. 3 W Evitronmental conditions +10 - +40 °C	Permissible repeatability [5% Max]	0.09 mg
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Power consumption max. Balance: 12 - 15V DC 0.4A max 3 W Environmental conditions Operating temperature +10 - +40 °C	Electrical parameters	
Environmental conditions Operating temperature +10 - +40 °C	Power supply	
Operating temperature +10 - +40 °C	Power consumption max.	3 W
	Environmental conditions	
Relative humidity 40% – 80%	Operating temperature	+10 - +40 °C
	Relative humidity	40% - 80%

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.

Metrological parameters



Accessories (Additional Fee)

Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables

Displays Protective cover for balances Weighing dishes

¹ Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

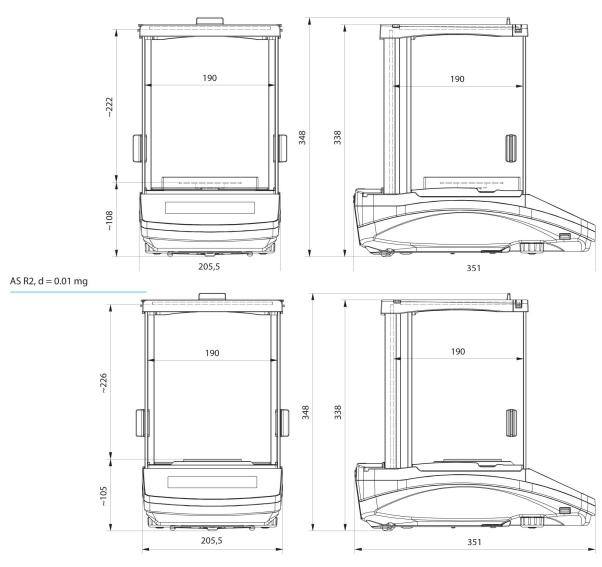
^{*} Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

Density determination KIT USB cable (scale - printer) Professional Weighing Tables Barcode scanners Workstation for Pipettes Calibration RS 232, RS 485 cables Antistatic ionizer Receipt Printer RS 232, RS 485 cables Under-pan weighing RS 232 cables (scale - printer)

Software (Additional Fee)

- RAD Key [WX-010-0005]
- · Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]
- R-Panel [WX-010-0187]
- R-Lab [WX-010-0080]

Device dimensions W x D x H



AS R2, AS R1 d = 0.1 mg