



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

AS 160.5Y Analytical Balance



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

Functions



Autotest



Dosing



Percent Weighing



Parts counting



Peak hold



Formulation



Newton unit
measurement



Statistics



Checkweighing



IR sensors



GLP Procedures



Animal weighing



Pipettes Calibration



Air density correction



Density determination



Differential weighing



Ambient conditions
monitoring



Statistical Quality Control



Packaged Goods Control



ALIBI Memory



Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max] 160 g

Minimum load -

Metrological parameters	
Readability [d]	0.1 mg
Verification unit [e]	-
Tare range	-160 g
Standard repeatability [5% Max]	0.06 mg
Standard repeatability [Max]	0.07 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]	0.1 mg
Linearity	±0.2 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	-
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing chamber dimensions	190×190×227 mm
Weighing pan dimensions	ø100 mm
Packaging dimensions	490×400×520 mm
Net weight	7.3 kg
Gross weight	9.3 kg
Protection class	IP 43
Relative humidity	40% ÷ 80%
Features of use	
Database capacity	7
Touch-free operation	2 IR Sensors
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.8A max
Power consumption max.	4 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Ambient conditions monitoring	THBR 2.0 System, THBR BOX, THB P, THB W, THB S

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.

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.



Accessories

Antivibration Tables

- SAL/STONE/H Stainless Steel Antivibration Table [WX-001-0079]
- SAL/H/PLUS Stainless Steel Laboratory Anti-Vibration Table for PLUS Series Balances [WX-001-0155]
- SAL/STONE/C Antivibration Table [WX-001-0078]
- SAL/C/PLUS Anti-Vibration Table for PLUS Series Balances [WX-001-0156]

Holders for laboratory flasks

- UL-04-1 (AS) Laboratory Holders [WX-001-0033]
- UL-03-1 (AS) Laboratory Holders [WX-001-0032]

Power Adapters

- ZR-04/1 Powerbank [WX-015-0329]
- ZR-03/1 Powerbank [WX-015-0319]

RS 232, RS 485 cables

- PT0453 Cable [WX-013-0238]
- Cable to the ZR-03/1 and ZR-04/1 Powerbank [WX-013-0244]

Cigarette lighter receptacle power supply cables

- K0047 Car lighter 12V cable [WX-013-0034]

Density determination KIT

- KIT 85 Density Determination Kit [WX-001-0001]

Additional modules

- RES Radwag Extended SI Module (5Y, CY10) [WX-016-0315]
- 21 CFR Part 11 Compliance Module (4Y, 5Y, CY10) [WX-001-0133]

USB cable (scale - printer)

- PT0238 USB Cable Type A-B [WX-013-0056]

Professional weighing table

- PSW Professional Single Weighing Workstation [WX-001-0020]
- PSW/DUAL Professional Dual Weighing Workstation [WX-001-0402]

Protective cover for balances

- Hybrid Protective Glass 5Y, CY10 [WX-001-0435]

Barcode scanners

- LS2208 Barcode Scanner [WX-006-0005]
- PD9531 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]

Holders for test tubes and filters

- UL-02-1 (AS) Laboratory Holders [WX-001-0031]
- UL-01-1 (AS) Laboratory Holders [WX-001-0036]

Workstation for Pipettes Calibration

- SDKP Workstation for Pipettes Calibration [WL-101-0181]
- SDKP DUAL Workstation for Pipettes Calibration [WL-101-0173]

USB Hubs

- USB 3.0 Hub [WX-015-0286]

THBR 2.0 System - Ambient Conditions Monitoring

- THBR Box Ambient Conditions Recorder [WX-016-0163]
- THB P Sensor [WX-016-0161]
- THB S Sensor [WX-016-0160]
- THB W Sensor [WX-016-0162]

Weighing dishes

- Weighing dishes for ultra-microbalances, microbalances and analytical balances [WX-001-0429]

Antistatic ionizer

- DJ-04 Antistatic Ionizer [WX-001-0097]

Receipt Printer

- RTP-UEW80 Radwag Thermal Receipt Printer (USB + Ethernet + WiFi) [WX-007-0118]
- RTP-RU80 Radwag Thermal Receipt Printer (RS232 + USB) [WX-007-0119]

Fingerprint Reader

RS 232, RS 485 cables

- P0108 Cable [WX-013-0003]
- PT0443 Cable [WX-013-0229]
- P0108.5 Cable [WX-013-0161]

Protective cover for balances

- Fabric Dust Cover for AS PLUS Balances [WX-001-0179]

Under-pan weighing

- Under-pan Weighing Rack for AS and PS Balances [WX-002-0111]
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

RS 232 cables (scale - printer)

- P0151 Cable [WX-013-0002]

RS 232 – RS 485 Converter

- KR-01 Converter [WX-004-0021]

Software

- RAD Key [WX-010-0005]
- THB-R [WX-010-0122]
- RADWAG Remote Desktop [WX-010-0107]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]
- R-Barcode [WX-010-0109]

- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- Label Editor R02 [WX-010-0094]
- Alibi Reader [WX-010-0114]
- Scale Editor 2.1 [WX-010-0173]
- E2R Weighing Records [WX-010-0038]

Device dimensions



