



AS 160.X7 Analytical Balance





















More information on the website  
[radwag.com/en/info,w1,0PG](http://radwag.com/en/info,w1,0PG)



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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            |  Under-pan weighing            |  GLP Procedures   |
|  Animal weighing             |  Density determination |  Ambient conditions monitoring |  Replaceable unit |
|  Statistical Quality Control |  ALIBI Memory          |  Mass for titrator             |  Wi-Fi            |

# Datasheet

AS 160.X7 Analytical Balance	
<b>Metrological parameters</b>	
Maximum capacity [Max]	160 g
Minimum load	-
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	-
<b>Physical parameters</b>	
Leveling system	semi-automatic - LevelSENSING
Display	7" touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing chamber dimensions	190×190×222 mm
Weighing pan dimensions	ø100 mm
Packaging dimensions	490×400×520 mm
Net weight	7,3 kg
Gross weight	9,3 kg
<b>Construction</b>	
Protection class	IP 43
<b>Components and software</b>	
Database capacity	7
<b>Features of use</b>	
Touch-free operation	2 IR Sensors
<b>Communication interface</b>	
Communication interface	RS232 <sup>1</sup> , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
<b>Electrical parameters</b>	
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
<b>Environmental conditions</b>	
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  
Holders for laboratory flasks  
Power Adapters  
Cigarette lighter receptacle power supply cables  
Density determination KIT  
USB cable (scale - printer)  
Professional Weighing Tables  
Barcode scanners  
Holders for test tubes and filters  
Workstation for Pipettes Calibration  
RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring  
Displays  
Protective cover for balances  
Weighing dishes  
Antistatic ionizer  
Receipt Printer  
RS 232, RS 485 cables  
Additional modules  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software

RAD-KEY  
R-LAB  
RADWAG Development Studio

Alibi Reader  
Scales Editor 2.1

## Device dimensions

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