AS 160.X7 Analytical Balance
WL-113-0003

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

Functions

Autotest	Dosing	Plus/Minus Control	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

Maximum capacity [Max]	160 g
Minimum load	10 mg
Readability [d]	0,1 mg

Verification unit [e]	1 mg
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	I

Physical parameters	
Leveling system	semi-automatic − LevelSENSING
Display	7" graphic colour 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	⌀100 mm
Packaging dimensions W x D x H	490×400×520 mm
Net weight	7,3 kg
Gross weight	9,5 kg

Construction	
Protection class	IP 43

Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory

Features of use	
Touch-free operation	2 IR Sensors

Communication interface	2×RS232[1], 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet

Power supply	Adapter: 100 − 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 − 15V DC 0,9A max; 4 − 8W*
Power consumption max.	4 W

Operating temperature	+10 − +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
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.
[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 (Additional Fee)

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
Additional modules
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

Software (Additional Fee)

• RAD Key [WX-010-0005]
• Scale Editor - EWAG 2.1 [WX-010-0173]

• Alibi Reader PC Software [WX-010-0114]
• RADWAG Development Studio [WX-010-0104]

Device dimensions W x D x H