PS 6100.X7.M Precision Balance

WL-226-0007

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

Metrological parameters	
Maximum capacity [Max]	6100 g
Minimum load	500 mg

Metrological parameters	
Readability [d]	10 mg
Verification unit [e]	100 mg
Tare range	-6100 g
Minimum weight (USP)	10 g
Minimum weight (U=1%, k=2)	1 g
Standard repeatability [Max]	8 mg
Standard repeatability [5% Max]	5 mg
Linearity	±20 mg
Stabilization time	1.5 s
Adjustment	internal (automatic)
OIML Class	II
Sensitivity temperature drift	$2\times10^{-6}/°C\times Rt$

Physical parameters	
Leveling system	manual
Display	7" graphic colour touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Device dimensions W x D x H	333x206x107 mm
Packaging dimensions W x D x H	476×381×346 mm
Net weight	4.1 kg
Gross weight	5.4 kg

Construction	
Protection class	IP 43

Components and software	
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	
Communication interface	2×RS232[1], USB-A, USB-B, Ethernet, Wi-Fi

Electrical parameters	
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	4 W

Environmental conditions	
Operating temperature	+10 – +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
Storage temperature	-20 – +50 °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.

* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.
[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.

CE M Additional fee for verification 2 YEARS

Accessories (Additional Fee)

Balance Storage Case	Displays
Antivibration Tables	Density determination KIT
Power Adapters	Protective cover for balances
Cigarette lighter receptacle power supply cables	Receipt Printer
USB cable (scale - printer)	Additional modules
Barcode scanners	Under-pan weighing
RS 232, RS 485 cables	RS 232 cables (scale - printer)
THBR 2.0 System - Ambient Conditions Monitoring	RS 232 – RS 485 Converter

Software (Additional Fee)

• RAD Key [WX-010-0005]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]

• Alibi Reader [WX-010-0114]
• Scale Editor 2.1 [WX-010-0173]

Device dimensions W x D x H