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# LDS.1.310.5Y.A Dosing System

WL-601-0008

More information on the website
mirror.radwag.com/en/info,w1,5Z7



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
- Pipettes Calibration
- Air density correction
- Automatic sliding door
- Density determination
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

## Datasheet

| Metrological parameters | |
|---|---|
| Maximum capacity [Max] | 310 g |
| Minimum load | 10 mg |

| | |
|---|---|
| **Metrological parameters** | |
| Readability [d] | 0.1 mg |
| Tare range | -310 g |
| Minimum weight (USP) | 100 mg |
| Minimum weight (U=1%, k=2) | 10 mg |
| Standard repeatability [5% Max] | 0.05 mg |
| Permissible repeatability [5% Max] | 0.1 mg |
| Linearity | ±0.3 mg |
| Eccentric load deviation | 0.3 mg |
| Sensitivity time drift | $1\times10^{-6}$/Year×Rt |
| Stabilization time | 1.3 s |
| Adjustment | internal (automatic) |
| **Physical parameters** | |
| Leveling system | automatic – Reflex Level System |
| Display | 10" graphic colour touchscreen |
| Weighing chamber | automatic |
| Weighing chamber doors | automatic |
| Weighing chamber dimensions | 200×170×220 mm |
| Weighing pan dimensions | ø100 mm |
| **Construction** | |
| Protection class | IP 43 |
| **Communication interface** | |
| Communication interface | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot |
| **Electrical parameters** | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.6A max; 10 – 19W** |
| **Environmental conditions** | |
| Operating temperature | +10 – +40 °C |
| Operating temperature change rate | ±0.3 °C / 1 h (±1 °C / 8 h) |
| Relative humidity | 20% – 80% |
| Relative humidity change rate | ±1% / h (±4% / 8 h) |

*Values for distilled water
Note: Increasing the pressure may adversely affect dosing accuracy.
**Standard repeatability [5% Max]** and **Standard minimum weight (USP)** are parameters obtained in automatic mode under special laboratory conditions.
**Repeatability** is expressed as a standard deviation from 10 cycles of mass standard weighing.
**Stabilization time** dependson 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.
The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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



# Accessories (Additional Fee)

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
Protective cover for balances
RS 232, RS 485 cables
Holders for laboratory flasks
Density determination KIT
Additional modules
Holders for test tubes and filters
Professional Weighing Tables
Barcode scanners
Automatic feeders
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
Under-pan weighing
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Antistatic ionizer
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Balance Storage Case

# Software (Additional Fee)

• E2R Weighing [WX-010-0099]
• Label Editor R02 [WX-010-0094]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• Scale Editor 2.1 [WX-010-0173]