BL825
Semi-Micro Analytical Balance

BalunTech

The BL825 Semi-Micro Analytical Balances utilize advanced super monolithic sensor technology. These unparalleled sensors ensure accuracy, stability, and sensitivity in micro weighing results. The horizontal bar design of the sensors provides high-speed response times. Featuring a full touchscreen LED display, the BL825 is an ideal choice for weight calibration and measurement.

FEATURES

- Readability: 0.01 mg
- Capacity: Options of 31 g, 51 g, and 220 g
- Automatic Functions: Self-calibration, door opening/closing, and electrostatic removal
- Compliance: Meets 21 CFR Part 11 standards
- Connectivity: RS232 and USB Type-C
- Display: Full touchscreen LED

APPLICATIONS

- Sample and standard preparation
- Formulation and differential weighing
- Density testing and interval weighing
- Pipette routine tests and elemental analysis
- High-performance liquid chromatography (HPLC)
- Gas chromatography-mass spectrometry (GC-MS)

SPECIFICATIONS

- Operating Temperature: 18°C -23°C

- Operating Humidity: 50% RH - 75% RH
- Warm-up Temperature Fluctuation: ≤ 1°C per hour
- Power Supply: 100-240V AC, 50/60 Hz
- Net Weight: 9.86 kg
- Dimensions (LWH): 240 mm x 430 mm x 380 mm
- Weight Chamber Height: 248 mm

Part #	XE305S	XE505S	XE2205S
Reading	0.01 mg	0.01 mg	0.01 mg
Maximum Capacity	31 g	51 g	220 g
Repeatability @5% load	0.02 mg	0.02 mg	0.03 mg
Repeatability @100% load	0.02 mg	0.03 mg	0.05 mg
Linearity	0.02 mg	0.02 mg	0.03 mg
Off-center Deviation (Accord to OIML R76)	0.05 mg @20 g	0.05 mg @20 g	0.08 mg @200 g
Sensitivity Drift (10°C -30°C)	8 ppm/K	8 ppm/K	8 ppm/K
Accuracy (2014/31/EU)	I	I	I
Interval (2014/31/EU)	0.1 mg	0.1 mg	0.1 mg
Minimum Load (2014/31/EU)	1 mg	1 mg	1 mg
Minimum Initial Weighing (USP)	1.3 mg	1.3 mg	1.3 mg
Typical Stable Time (USP)	3 s	3 s	5 s
Typical Measure Time (USP)	5 s	5 s	8 s
External Calibration Weight	20 g	50 g	200 g
Calibration Weight Accuracy	E1	E1	E1
Weighing Pan Size (mm)	85 x 85	85 x 85	85 x 85

SCOPE OF DELIVERY

- BL825 Semi-Micro Analytical Balance
- E1 class calibration weight

OPTIONAL ACCESSORIES AND SERVICES

- ISO17025 Calibration Certificate (PN: CAL-825)
- Drift shield
- Stainless steel grid filter weighing pan
- Gesture sensor
- Automatic door
- Ionizer

ORDERING MODEL NUMBERS

- BL825-XE305S
- BL825-XE505S
- BL825-XE2205S