



ANB-SEMIC Semi Micro Analytical Balance 0.01mg/0.1mg

Internal Calibration

Download
Catalogue



SEMIC

High-precision scales will meet the needs of the most demanding measurements



Internal Calibration

Internal Calibration provide fast and high precision calibration analytical balance. Conditions: temperature change, time or scheduled.



Dual Measuring Range

Dual Measuring range provide precise results and efficient handling for weighing smallest samples



Fully automatic electrostatic removal technology – antistatic kit

STANDARD CONFIGURATION

COLO ANB-SEMIC series designed in accordance with FDA data integrity principles to achieve attributable, legible, contemporaneous, original, and accurate data (ALCOA)

- Compliance with 21CFR Part 11 - full traceability
- Four side wind shield protection with automatic door opening and closing technology
- Tare max capacity: - 100% max capacity designed in accordance with FDA data integrity principles to achieve attributable, legible, contemporaneous, original, and accurate data (ALCOA)
- In accordance with the requirements of GMP and EU USP pharmacopoeia
- PANGRID Specially designed 6-segment scales pan for greater precision
- Readability - 0.01mg/0.1mg
- Mechanical overload protection
- User administration: Three-level passwords user administration through access control
- Electronic Signature: The user's electronic signature can be used to sign the final report of the weighing operation
- Audit Trail and Weighing Log: An audit trail is a tamper-proof electronic log file with a timestamp that allows the reconstruction of events related to the creation, modification, and/or deletion of records. Ability to enter data related to measurement
- Portable mini printer
- The technology of automatically opening and closing door Besides, the balance has a function of memorizing door position.
- Built-in ionizer can automatically eliminate the effect of static electricity on weighing
- PC connection function
- Standard RS232, easy to connect with peripherals
- Professional LPG GLP USB (FTDI) AG SGI II / Ethernet INTERFACE

OPTIONAL

- Titanium alloy grid scale pan
- An automatic dosing system for solid and liquid components can be upgraded
- Pharmaceutical software package
- External draft shield for balance
- IQ/OQ/PQ documentation and Implementation
- Gesture sensor

Semi-Microbalance Type	SEMIC50	SEMIC80	SEMIC120	SEMIC220
Maximum range (Max)	31g/0.01mg 50g/0.01g	50g/0.01mg 80g/0.1mg	80g/0.01mg 120g/0.1mg	120g/0.01mg 220g/0.1mg
Graduation value (d)	0.01mg/0.1mg			
Accuracy level	Class I (according to 2014/31/EU regulation)			
Stabilization time	2s			
Repeatability (5% load)				
Standard deviation	0.01 mg	0.01 mg	0.15 mg	0.2 mg
Typical error	0.02 mg	0.02 mg	0.25 mg	0.3 mg
Repeatability (100%)				
Standard deviation	0.015 mg	0.015 mg	0.02 mg	0.025 mg
Typical error	0.02 mg	0.03 mg	0.03 mg	0.05 mg
Linear error				
Standard deviation	0.015 mg	0.015 mg	0.02 mg	0.03 mg
Typical error	0.02 mg	0.02 mg	0.03 mg	0.03 mg
Four-corner error (test position is in accordance with OIMLR76 specification)				
Test weight	50	50	100	200
Standard deviation	0.02 mg	0.03 mg	0.04 mg	0.04 mg
Typical error	0.05 mg	0.05 mg	0.06 mg	0.08 mg
Sensitivity drift (+10°C~+30°C)	8ppm /K			
Verification graduation value (e)	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Minimum weight (acc. to 2014/31/EU reg.)	1 mg	1 mg	1 mg	1 mg
Reference calibration weight				
External calibration weight	50g	50g	100g	200g
Standard weight grade (acc. to OIML R111-1)	E1	E1	E1	E1
External dimension L*W*H	240 mm × 430 mm × 380 mm			
Weighing pan size	85mm×85mm			
Operation temperature	18°C~23°C			
Power supply	100V-250VAC 50HZ/60HZ 1.0A-0.5A (±10%)			

Please note
 If this Balance does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts

Laboratory Equipment production and Distribution
 www.colo.si
 Polje ob Sotli 4
 3255 Buce
 Slovenia
 E-mail: office@colo.si