



PRODUCT BULLETIN

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Micro Balance

Models MC 5, 5.1 g x 1 μ g

The MC5 will weigh up to 5g with 1 μ g readability. Stabilize readings within an ultra fast 10 seconds, for maximum time savings with each weighing operation. Both the Sartorius SC2 and MC5 microbalances are the world's first to feature the EUREKA® air buoyancy correction software, allowing true mass measurement and compensation for fluctuations in air density. Built-in software simplifies backweighing, and enable fast, error-free storage of tare weights, initial sample weights and calculation of the amounts backweighed in any order you choose for as many as 50 samples.



MC 5 Micro Balance

SARTORIUS. Sartorius is a German company and maker of some of the world's finest balances since 1871 when they introduced the world's first pharmaceutical balance. Only Sartorius shatters the limits when "the Guinness Book of World Records" listed the Sartorius Model 4108 as the most accurate balance in the world. Sartorius has been proving their trustworthiness thanks to their top-of-the-line technology that ensures maximum accuracy. Sartorius products are manufactured with ISO9001 standards and have the CE mark. Sartorius' excellent reputation and image in the technologically sophisticated field of weighing balances make them a global leader.

Capacity x Readability (grams x μg): 5.1 g x 1 μg
Repeatability, micrograms (standard deviation) $\pm 1 \mu\text{g}$
Linearity, micrograms: $\pm 4 \mu\text{g}$
Linearity: 0 -500 micrograms $\pm 2\mu\text{g}$
Response Time (average) : 10 seconds
Response Time in the IQ-mode (0.01%): 2.5 seconds
Tare Range: 5.1 grams

Adaptation to ambient conditions & applications requirements By selection of 1 of 4 optimized filter levels Display Update (depends on the filter level selected) 0.1 - 0.4 seconds
Operating Temperature Range 5° C to 40 ° C (41° F to 104° F), 85% RH or less Sensitivity
Drift (5° - 40°C / 41°F-104°F) $\pm 1 \text{ ppm} / ^\circ\text{C}$

Pan Size (mm / in): \varnothing 30 mm / 1.2 in

Draft Shield Height: (mm / in) 122 mm / 4.8 in

Chamber Size (inches): \varnothing 3.3" x 4.8" high

Chamber Opening (inches): 2.4" x 1.8"

Electronics Unit (W x D x H): 8.4" x 12" x 4.2"

Deviation of the readout when balance is tilted 1:1,000 $\pm 5 \mu\text{g}$

Selectable Weight Units g, kg, ct, lb, oz, ozt, tlh, tls, tlt, GN, dwt, mg, /lb, tlc, mom, K, tol, bat, MS Selectable Application Programs Mass unit conversion by toggling, "EUREKA" air buoyancy correction program, differential weighing and backweighing, density determination, tare memory, net total, weighing in percent, over / under checkweighing (classification and filling) counting Automatic zero tracking function (can be turned off by menu code)

Standard feature

Built-in Interface

RS-232 C-S/V24-V28, RS423 /V10; 7-bit; parity; even, odd; mark, space; Transmission rates: 150 ... 19,200 baud; 1 or 2 stop bits; software / hardware handshake

Calibration: Self Calibration "isoCAL" function External Calibration (Optional Wgt required) 5 gram Class 0

Power Source: AC Adapter 120 VAC included with scale

Standard Equipment

120V AC Adapter, level indicator, adjustable feet, RS-232, manual

Optional Accessories

Printer, Rechargeable external battery pack, Pipette calibration software, SartoConnect data transfer software, external calibration mass

Warranty: 3 years manufacturer's warranty Net Weight 28 LBS.