

Technical Specifications
Weighing balance (Semi-micro)
Mettler-Toldero or Shimadzu Make

Application: Semi-Micro Weighing Balance is a high-precision instrument used in laboratories for tasks that require highly accurate measurements. These balances are essential for achieving high accuracy and repeatability in fields where precise mass measurements are critical.

Specification	Requirement
Technical details of weighing balance (Semi-micro)	<p>Model: (Specify the model)</p> <p>Maximum Capacity: Typically ranges from 100 g to 220 g (Depending on the model)</p> <p>Readability: 0.01 mg (0.00001 g) for smaller loads (up to 50 g)</p> <p>Repeatability: 0.015 mg at low loads (≤ 50 g) 0.1 mg at high loads (> 50 g)</p> <p>Linearity: ± 0.15 mg</p> <p>Pan Size: 80-90 mm diameter (Depending on the model)</p> <p>Taring Range: Full capacity (up to 100-220 g)</p> <p>Stabilization Time: Approximately 2-3 seconds</p> <p>Calibration: Automatic internal calibration and external calibration options</p> <p>Temperature Range: 10°C to 30°C (With internal temperature compensation for enhanced accuracy)</p> <p>Humidity: Max. 80% relative humidity (non-condensing)</p> <p>Display: High-resolution digital display (LCD/LED) with touchscreen options</p> <p>Weighing Units: g, mg, ct, dwt, oz, and other units as per configuration</p> <p>Interfaces: RS232, USB, and optional Ethernet connectivity for data transfer and integration with laboratory management systems</p> <p>Power Supply: 100-240 V, 50/60 Hz (Auto-selecting)</p> <p>Windshield: Glass draft shield for protection against air currents, ensuring precision in semi-micro measurements</p> <p>Housing Material: High-quality, chemical-resistant ABS and stainless steel</p> <p>Overload Protection: Built-in to safeguard against accidental overloading</p> <p>Adjustable Feet: For leveling the balance and ensuring precise results</p> <p>Compliance: GLP/GMP, ISO, and FDA standards</p> <p>Data Storage and Transfer: Integrated memory for storing results and seamless transfer via USB or network (optional)</p> <p>Environmental Controls: Advanced filters for environmental influence compensation</p> <p>Advanced Features:</p> <p>Automatic Draft Shield Doors: Optional motorized shield doors (depending on the model)</p> <p>Touchscreen Operation: Intuitive user interface for easy operation</p> <p>Built-in Applications: Various weighing modes (differential weighing, formulation, density determination)</p>

Warranty	2(two) years after satisfactory installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
UPS/ Stabilizer	Stabilizer as required for functioning of the equipment. Stabilizer price should be included in weighing balance price.
After sales service/ Post warranty	Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail
Compliance statement	The quote should also include a compliance statement vis-a-vis Specifications in a "tabular form" clearly stating the compliance and giving justification if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration