

Technical Specifications
Weighing balance (Analytical)
Mettler Toledo or Shimadzu Make

| Application: Analytical weighing balances are highly precise instruments used to measure mass with great accuracy, often to the sub-milligram level. Analytical balances are used in laboratories to weigh chemicals, plant tissues, and dried powder for preparation of solutions, reagents, or mixtures with exact proportions. | |
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| Specification | Requirement |
| Technical details of weighing balance (analytical) | <p>capacity - 80gm Readeability - 0.0001gm Repeatability - 0.1 gm Linearity - 0.2 gm pan size - 100mm Model: (Specify the model based on the specific balance) Maximum Capacity: 80 g Readability: 0.0001 g (0.1 mg) Repeatability: 0.1 g Linearity: 0.2 g Pan Size: 100 mm diameter Display Type: Digital (LCD/LED display for easy readability) Taring Range: Full capacity (up to 80 g) Stabilization Time: Typically, within 2-4 seconds Calibration: Internal/External (Depending on model) Operating Temperature: 10°C to 30°C, with stable temperature control Humidity: Max. 80% relative humidity (non-condensing) Interfaces: RS232/USB for connectivity and data transfer (optional, depending on the model) Power Supply: 100-240 V, 50/60 Hz Housing Material: Durable, chemical-resistant materials like ABS or stainless steel Windshield: Draft shield provided to ensure accurate measurements by minimizing airflow disturbances Units of Measure: g, mg, other units available depending on configuration Compliance: GLP/GMP/ISO standard compliant Overload Protection: Provided to prevent damage to the balance from excessive loads Adjustable Feet: Ensures level setup for optimal precision</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 |
| 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 |

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| | 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 |

