

Technical specifications for the purchase of Analytical Weighing Balance

Sl. No.	Parameter	Technical Specifications
2	Type	Analytical electronic balance with internal calibration, suitable for pharmaceutical, analytical, and research laboratories requiring USP-compliant weighing performance.
3	Maximum Capacity	220 g / 102 g dual range
4	Minimum Display	0.01mg / 0.1 mg
5	Repeatability	0.05 mg / 0.1 mg
6	Linearity	±0.1 mg / ±0.2 mg
7	Pan Size	Approximately 91 mm diameter weighing pan
8	Calibration Type	Built-in
9	Calibration Features	Automatic calibration based on temperature variation and preset time
10	Display	Organic Electroluminescence (OEL) dot-matrix display
11	Response Time	Not more than 3 seconds
12	Application Functions	Piece Counting Percentage Weighing Comparator (Check Weighing) Recipe Compounding/Formulation mode Sample Concentration Preparation HPLC Buffer Solution Preparation Molecular Weight (Mol) Conversion
17	Connectivity	RS-232C interface for connection to computer or printer
19	Data Output Compliance	ISO/GLP/GMP compliant data output
20	Clock Function	Built-in clock
21	Specific Gravity Measurement	Compatible with optional accessories

22	Construction	Compact design with glass draft shield/windscreen to minimize air disturbance
23	Sensor System/stability	Stable sensor mechanism with high resistance to temperature variation and vibration. Sensitivity Stability of ± 2 ppm/ $^{\circ}\text{C}$ (10–30 $^{\circ}\text{C}$) preferred
24	Operating Temperature	5–40 $^{\circ}\text{C}$
25	Operating Humidity	20–85 % (non-condensing)
26	Power Supply	AC adapter, 100–240 V, 50/60 Hz
27	Approximate Dimensions	Approximately 215 × 350 × 330 mm
28	Weight	Approximately 6–8 kg
29	Accessories Supplied	AC adapter, draft shield assembly, user manual and standard accessories
	Documentation	IQ/OQ validation NABL certified calibration certificate CE certification or equivalent ISO, GLP/GMP, USP compliance
30	Warranty	Comprehensive warranty of 5 years warranty
31	Other conditions	• The system should be complete functional unit in terms of hardware and software to demonstrate the intended specifications and applications to be supplied with all necessary ancillaries. • The quote should be for supply, installation, commissioning and successful working demonstration of the instrument at the premises of M/s. Oushadhi Ltd, Kuttanellur, Thrissur, Kerala • Specifications should be confirmed from the Technical Brochure and website of the manufacturer. • Good Service and Technical support are essential. Please provide testimonials from three reputed customers. • A compliance statement of the specifications should be provided along with the quote before placing order. • The list of installations and users of complete system in India & abroad should be provided for reference. The company must have at least five working installations of the complete instrument globally. User list for this period, current contact details of users, Supply Orders and certificates of successful completion issued by the clients must be enclosed.

		• Provision for annual calibration free of cost. • Installation, calibration, standardization and commissioning shall be the responsibility of the vendor. • Pre-installation requirements, including requirement for water/power supply, should be enclosed along with the tender • The offered system shall be CE certified or equivalent, complying with internationally accepted safety and electromagnetic compatibility standards. Documentary evidence in the form of CE Declaration of Conformity or equivalent certification shall be provided with the technical bid.
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