

Specifications for Portable Surface Roughness Tester.

S.No.	Item Description	Technical Specifications	Qty
1	Portable Surface Roughness Tester	1. General System Requirements System Type: Compact, portable surface roughness measurement instrument consisting of a handheld drive unit and a separate touch-screen display Display: Large 5.7-inch color graphic touch-screen LCD with integrated backlight Integrated Output: Built-in high-speed thermal printer 2. Measurement Performance Measurement Ranges: X-Axis: Minimum 16.0 mm (standard) Z-Axis (Detector): 360 μm Resolution: Multi-stage resolution capability including 0.02 μm (at 360 μm range), 0.006 μm (at 100 μm range), and 0.002 μm (at 25 μm range) Stylus tip, Measuring Force: 90° / 5μm; 4mN Cut-off length: 0.08 / 0.25 / 0.8 / 2.5mm Filters: Gaussian, 2CR75, PC5 3. Analysis and Standards International Standards Compliance: Must comply with JIS (2001/1994/1982), ISO-1997, VDA, and ANSI Parameters: Capability to calculate and display Ra, Rq, Rz, Ry, Rp, Rv, Rt and all other parameters 4. Data Management and Connectivity PC Connectivity: USB and RS-232C interfaces for data transfer to spreadsheet software or dedicated analysis programs 5. Power and Accessories • Power Supply: Rechargeable battery or AC adapter • Carrying case included • Calibration specimen included • Warranty: Minimum 2 years comprehensive	01










