MWT-1100
Surface Roughness Tester Datasheet

Hand Held Surface Roughness Tester

Features

- Small and light weight for ease of use
- Digital signal processing for high accuracy measurement
- Bright LCD display for wide angle viewing
- Selectable measuring parameters, sample distance and units
- Internal storage of 500 data points
- Wireless communications for data download and measurement control, with supplied dongle and software
- Create an Excel report of measurement data with statistical analysis
- Aluminium housing for high durability and protection from electromagnetic interference
- Powered by a single AA battery





Surface Roughness Tester Specification			
Stroke Length (mm)	5.6	Parameter (µm)	Ra, Rz, Rq, Rt
Sampling Length (mm)	0.25, 0.80, 2.50	Static Force of Sensor Stylus (N)	≤ 0.016
Evaluation Length (mm)	1.25, 4.0, 5.6	Power Supply	1.5V battery
Measuring Range (µm)	Ra: Rq:0.05 - 10.0 Rz: Rt: 0.1 - 50	Weight (g)	165
Indication Variability	<6%	Working Environment Conditions	Temperature: 0°C -40°C Relative humidity: < 90% No vibration and corrosive medium around
Indication Error	±10%		
Arc Radius and Angle of Sensor Stylus Tip	Tip arc radius: 10 µm±1 µm Angle: 90°		