

BR-3932 Surface Roughness Tester



Technical Specifications

Display:	4 digits, 10 mm LCD, with blue backlight
Parameters:	Ra, Rz, Rq, Rt
Measuring Ranges:	Ra, Rq: 0.005-16.00um / 0.020-629.9uinch Rz, Rt: 0.020-160.0um / 0.780-6299uinch
Accuracy:	≤±10%
Sensor :	Test Principle: Inductance type Radius of Probe Pin: 5um Material of Probe Pin: Diamond Dynamo-measurement of Probe: 4mN(0.4gf) Probe Angle: 90° Vertical Radius of Guiding Head: 48mm
Maximum stroke:	17.5mm / 0.7inch
Cut-off length (L):	0.25mm / 0.8mm / 2.5mm
Evaluation length:	5 x L
Driving speed:	Sampling length = 0.25mm Vt=0.135mm/s Sampling length = 0.8mm Vt=0.5mm/s Sampling length = 2.5mm Vt=1mm/s Returning Vt=1mm/s
Profile digital filter:	Filtered Profile: RC Filtered Profile: PC-RC Filtered Profile: Gauss Non-Filtered Profile: D-P
Resolution:	0.001μm if reading <10μm 0.01μm if reading 10μm to 100μm 0.1μm if reading ≥100μm
Power:	Rechargeable Li-ion battery
Operating conditions:	Temp. 0~40°C Humidity <80%

Standard Accessories

1. Carrying case
2. Main unit
3. Standard Sensor
4. Standard Test Plate
5. Power Adapter/Charger
6. Operation Manual
7. Screwdriver
8. Adjustable Leg
9. Sensor Protector

Optional Accessories

1. Cable and Software for RS-232/USB
2. Extension Rod
3. Groove stylus
4. Curvature Probe
5. Measurement Stand