



Surface Roughness Tester leeb432

Function & Feature:

- With slip-up shell, new design by LEEB 2015.
- Can equip with measuring platform, so that can workpiece of any height. The platform can adjust the height of instruments; can also rotate the instruments 360 degree.
- The sensor can be changed, so that we can test work piece of any shape. Such as groove, hook surface, whole, very small hole, can equip long sensor or lateral transfer sensor.
- Design of mechanical and electrical integration is adopted to achieve small bulk, light weight.
- Controlled by DSP chip, fast speed of testing with lower consumption and high precision.
- Compatible of ISO/ DIN/ ANSI/ JIS standards.
- 128× 64 DOT matrix LCD displays all parameters and graphs, DSP chip is used to control and process data with high speed and low power consumption.
- Four filtering methods of RC, PC-RC, GAUSS and D-P,
- Built-in rechargeable lithium -battery, with high capacity and unlimited memory efficiency; Continuous working for more than 20 hours.
- Can store more than 100 groups of measuring data and wave forms.
- Low power consumption: Auto sleep, automatic shutdown function of saving energy;
- USB, can be connected with computer and printer.

Technical Specification:

Model	leeb432
Roughness parameter	Ra, Ry, Rq, Rz, Rt, RSm, RS, Rp, Rv, R3z, RSk, Rmax, Rmr
Resolution	0.001μm
Cut-off lengths	0.25mm / 0.8mm / 2.5mm
Evaluation length	1.25mm / 4mm / 5mm
Standard	ISO, DIN, ANSI, JIS
Accuracy	≤±5%
Repeat ability	<2%
Sensor	Piezocrystal
Power supply	Rechargeable Lithium-Ion battery
Operating temperature	0 °C -40 °C
Weight	440g
Dimensions	119×47×65mm
Standard configuration	Main Unit, Standard sensor, Model for multi-standard groove, Power adapter
Optional Accessories	Measurement Platform, printer ,PC analysis software

Sensor performance	
Principle	Inductance type
Measurement range	160µm
Stylus radius	5µm
Stylus material	Diamond
Measure force	4mN(0.4gf)
Stylus angle	90°
Guide head longitudinal radius	45mm

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