

Surface Roughness Tester Leeb451/410

Function & Feature:

- **Leeb410 is a new model in 2016,unique model in the world.**
- Leeb451: Metal shell, stronger and anti-electromagnetic interference .
- Leeb410: Shell is using ABS engineering plastic injection, durable, anti-electromagnetic interference , ABS plastic will not stripping,better preserved.
- Adapts high speed DSP processor to get fast reaction .
- OLED color display, high light, no visual angle and wide temperature, could be used at each workplace .
- Mini-USB for connecting with PC or charging. Can keep working when charging.
- Auto power off and low power consumption design .
- Optimized electric circuit design with transducer structure design, high integrate power, driver and display.
- It could test excircle, flat surface, conical surface and also test groove with length and width larger than 80*30mm.

Technical Specification:

Model	Leeb451	Leeb410
Roughness parameter	Ra、 Rz、 Rq、 Rt	
Measuring range	Ra:0.05-10.0μm Rz:0.1-50μm	
Resolution	0.01μm	
Cut-off lengths	0.25mm / 0.8mm / 2.5mm	
Evaluation length	1.25mm / 4mm / 5mm	
Tracing length	6mm	
Standard	ISO、 DIN、 ANSI、 JIS	
Accuracy	≤±6%	
Repeat-ability	<3%	
Sensor	Piezocrystal	
Sensor stylus arc radius and Angle	Radius of sensor stylus:10.0±2.5μm Angle:90°	
Sensor stylus force and its change rate	Sensor stylus forc: ≤0.016N; change rate: ≤800N/m	
Pressure of sensor head	≤0.5N	
Power supply	Rechargeable 3.7V Lithium-Ion battery	
Operating temperature	0 °C -40 °C	
Weight	200g	
Dimensions	106×70×24mm	
Standard configuration	Main Unit,Standard sensor,Model for multi-standard groove,Power adapter,Calibration block	

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