



LASER ROUGHNESS TESTER

Features

- High-speed, non-contact measurement, suitable for online detection of Ra value or the quality control of workpiece
- Built in high-sensitivity photoelectric sensor
- 3.2 inches FTF-LCD display screen with a resolution of 320x240
- Apply DSP chips for data processing, enjoys the metrics of high speed and low power consumption
- Built-in high capacity lithium-ion battery and charge control circuitry
- Communicate with PC through RS232 interface, achieve data upload and model parameters download
- Automatic shut down
- 64 groups of models is applied to facilitate identifying the quality of workpiece
- Widely used in quality control
- With calibration software to rectify the measures value

Specification

Measuring parameters	Ra
Measuring range	$10\text{nm} \leq \text{Ra} \leq 1.0\mu\text{m}$
Error	$10\text{nm} \leq \text{Ra} \leq 0.2\mu\text{m}$ $\leq 0.03\mu\text{m}$
Standard	$0.2\mu\text{m} \leq \text{Ra} \leq 1.0\mu\text{m}$ $\leq 10\%$
Repeatability	$\geq 90\%$
Display	TFT color matrix liquid screen
Power supply	Li battery 4x3.6V 2200mAh
Power adapter	Input : 100~240V 50Hz~60Hz
Stylus	Output : 9V 2.5A
Storage temperature	$-25\text{ }^\circ\text{C} \sim 50\text{ }^\circ\text{C}$
Operating temperature	$0\text{ }^\circ\text{C} \sim 40\text{ }^\circ\text{C}$
Humidity	
	20%~75RH
Dimensions (mm)	164x152x46
Weight (Kg)	1.1

