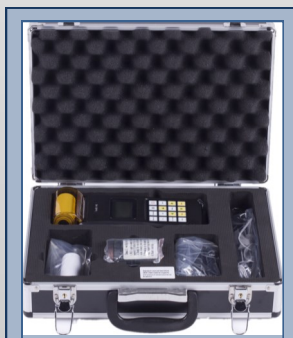


MSR-401 Roughness Tester



Package includes:

- Main Unit
- Standard sensor model for multi-standard groove
- Power adapter

Overview:

MSR-401 is an adequate surface roughness tester that provides reliable measurement of roughness parameters. It is essential for machinery engineers and other industrial users to measure the precise roughness of any surface in order to reduce the effects of friction, corrosion, costs of maintaining and etc. Marmonix MSR-401 can be used in any industrial fields and all environmental conditions.

Features:

- Metal case, stronger and anti-electromagnetic interference.
- Adapts high speed DSP processor to get fast reaction.
- LED color display, high light, no visual angle and wide temperature, could be used at each workplace.
- Built-in lithium ion rechargeable battery
- USB for connecting with PC or charging.
- LCD display.
- Battery power shown.
- Auto power off and low power consumption design.
- Transducer has production gate to guarantee the accuracy of testing.
- Optimized electric circuit design with transducer structure design, high integrate power, driver and display.
- Select freely with Ra, Rz, Rq, Rt parameters.
- It could test ex-circle, flat surface, conical surface and also test groove with length and width larger than 80*30mm.

Parameter	Values
Model	MSR-401
Roughness parameter	Ra, Rz, Rq, Rt
Resolution	0.01 μ m
Cut-off lengths	0.25mm / 0.8mm / 2.5mm
Evaluation length	1.25mm / 4mm / 5mm
Tracing length	6mm
Standard	ISO, DIN, ANSI, JIS
Accuracy	$\leq \pm 8\%$
Repeatability	$< 12\%$
Sensor	Piezocrystal
Power supply	3.7V Lithium-Ion battery
Operating temperature	0 $^{\circ}$ C -40 $^{\circ}$ C
Weight	200g
Dimensions	106 \times 70 \times 24mm

