

SURFACE ROUGHNESS TESTER JT-8100



Measurement parameters: Ra, Rz, Rq, Rt

Length of time (mm): 6

Sampling length (mm): 0.25, 0.80, 2.50

Evaluation length (mm): 1.25, 4.0

Value error: plus or minus 15%

Measurement range (mm): Ra: 0.05 ~ 10.0 Rz: 0.1 ~ 50

Show value volatility: < 12%

Main feature:

- *Shell used to pull aluminum mold design, durable, anti-electromagnetic interference ability significantly, in line with the design of the new trend.

- *Using high-speed DSP processor for data processing and calculation, measurement and computation speed is greatly improved.

- *Liquid crystal display wide temperature using OLED color display, popular high brightness, no visual angle, is suitable for various occasions.

- *The lithium ion rechargeable battery, can work for a long time, no memory effect, can while charging, charging time is short, long battery life.

- * Using a dedicated charger or computer USB port for charging, convenient and quick.

- *Real-time monitoring of lithium battery power and display, and to remind users to charge with charging progress indication.

- *Automatic shutdown function and low power design of software and hardware of the instrument with long working hours, suitable for field use.

- *The surface roughness of metal and non-metallic.

- *Pocket-size & economically price

- *Large measuring range suitable for most materials

- *Optimized electric circuit design with transducer structure-design, high integrate power.

- *It could test ex-circle, flat surface, conical surface and also test groove larger than 80*30mm.

Technical Specification:

- *Testing parameters: Ra, Rz, Rq, Rt

- *Measuring range (um): Ra, Rq: 0.05-15.0 / Rz, Rt : 0.1-50.0

- *Sample length (mm): 0.25, 0.80, 2.50

- *Evaluation length(mm): 1.25, 4.0, 5.0

- *Stroke length (mm): 6

- *Indication accuracy: 0.01

- *Indication error: $\pm(7-10)\%$

- *Variability: <12%

- *Power: Rechargeable li-battery

- *Stylus static force: $\leq 0.016\text{N}$

- *Force measuring rate of change: $\leq 800\text{N/m}$

- *Working temperature: $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$

- *Relative humidity:<90%

- *Weight of Host: 200g

- *Size: 106 x 70 x 24 mm