

QUAM RM800 Surface Roughness Tester

Applicable materials: both metal and non-metallic materials can be used;

Detection shape: round, gear, cylinder, small hole, curved surface, inner hole can be equipped with extension rod, small hole sensor, curved surface sensor, deep groove sensor, sensor sheath, measuring platform and other accessories.

Advantage: Bluetooth function, also can use phone APP



A. Introduction

The surfaces roughness tester is suitable for shop floor use and mobile measure to need of a small hand-held instrument, it operation simple, function overall, measure fast, accuracy stability, take convenience. This tester applies to production site and can be used to measure surface roughness of various machinery-processed parts. This tester is capable of evaluating surface textures with a variety of parameters according to various national standards and international standard

B. Features

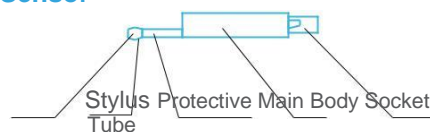
- Electromechanical integration design, small size, light weight, easy to operation: DSP chip control and data processing, high speed, low power consumption;
- Variety parameters $R_a, R_z, R_q, R_t, R_p, R_v, R_{3z}, R_{3y}, R_z(JIS), R_s, R_{sk}, R_{sm}, R_{ku}, R_{mr}, R_y(JIS) = R_z, R_{max} = R_t; R_{Pc}, R_k, R_{pk}, R_{vk}, Mr_1, Mr_2$;
- 160μm Large measurement range;
- 128 × 64 OLED dot matrix display, digital or graphic highlight display; no viewing angle;
- Display full information, intuitive and graphical displays all parameters: Compatible with ISO, DIN, ANSI, JIS multiple national standards;
- Built-in lithium-ion rechargeable battery and control circuit, high capacity, no memory effect;
- There are remaining charge indicator, charging hint;
- Tester has charging instructions, the operator can readily understand the level of charge;
- Can work more than 20 hours while the power is enough;
- Large capacity data storage, can store 100 item of raw data and waveforms;
- Real-time clock setting and display for easy data recording and storage: With automatic sleep, automatic shutdown power-saving features;
- Reliable circuit and software design of prevent the motor stuck;
- Can connected to the computer and printer

C. Standard configuration

● Host	1	● Manual	1
● Standard Sensor	1	● Certificate of approval Warranty	1
● Calibration block	1	● card Instrument	1
● Bracket	1	● case	1
● Adjustable support	1		
● Charger	1		
● USB Cable	1		

D. Technical Parameter

Sensor



Main Body

- Maximum drive stroke: 17.5mm/0.7inch
- Accuracy: No more than ±10%
- Repeatability: No more than 6%
- Parameter: $R_a(0.005\mu m \sim 16\mu m), R_z(0.02\mu m \sim 160\mu m), R_q, R_t, R_p, R_v, R_{3z}, R_{3y}, R_z(JIS), R_s, R_{sk}, R_{ku}, R_{sm}, R_{mr}, R_{Pc}, R_k, R_{pk}, R_{vk}, Mr_1, Mr_2$ Filter: RC, PCRC, Gauss, D-P
- The sampling length (lr): 0.25mm, 0.8mm, 2.5mm
- Assessment length (ln): 1-5
- Data Storage: 100 groups
- Connect: USB
- Power supply: Built-in 3.7V Lithium ion battery. Charger :DC5V, 800mA/3hour
- Outline dimension: 141×55×40 (mm)
- Weight: 0.4kg