# فرهان گستر جنوب



# SURFACE ROUGHNESS GAUGE TMR200





### THE PERFORMANCE INDEX OF SENSOR

The detection principle	Current induction
Measuring range	160 µm
Tip radius	5 μm
Tip material	Diamond
Stylus force	4mN(0.4gf)
Stylus angle	90°
The guide head vertical radius	45mm

#### TECHNICAL PARAMETERS

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Item	Description
The maximum driving trip	17.5mm/0.7inch
Indicating error	Not more than ± 10%
Variation of indication	Not more than 6%
The measured profile	Roughness, waviness, the original contour
Parameter	Ra (0.005µm - 16µm) Rz (0.02µm - 160µm) Rq, Rt, Rp, Rv, Rdz, Rdy, RzJIS, Rsk, Rku, Rsm, Rm; Rx.
Filter	RC,PCRC,Gauss,ISO13565
The sampling length L	0.25mm,0.8mm,2.5mm,8mm
Evaluation length L	(1-5)
Internal storage capacity	100 groups of original data
External input / output interface	USB
Electric source	Built-in rechargeable lithium ion battery or external power adapter

#### **Outline dimension**

143 x 55 x 42mm (host). Weight: about 0.4KG (host).

## **FUNCTIONS AND FEATURES**

Electromechanical integration design, small volume, light weight, easy to use:

Using DSP chip to control and data processing, high speed, low power consumption;

Large range, parameters Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx;

128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective;

Display information rich, intuitive, can display all the parameters and graphics;

Compatible with ISO, DIN, ANSI, JIS national standards;

Built-in lithium ion rechargeable battery and a charging control circuit, high capacity, no memory effect;

Residual quantity indicator icon, prompting the user to charge;

Display of the charging process instructions, the operator can understand the degree of charge

Working time more than 20 hours of continuous work

Large capacity data memory, can store 100 groups of original data and waveform.

Real-time clock settings and display, convenient data recording and storage

With automatic dormancy, automatic shutdown and power saving function

Reliable control motor to go dead circuit and software design Measurement information display, menu prompt information, false information and switch machine and other tips that information:

Full metal shell design, sturdy, compact, portable, high reliability. Can be in English freely switch

Can be connected to a computer and printer;

Optional sensor surface, hole sensor, measuring platform, sensor, an extension rod and other accessories.



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