

# Surface Roughness Tester

**Model: TR200**

## **Summary :**

It's an accurate surface finish measuring instrument that measures the surface roughness of a variety of machined parts, including planes, bevels, outer cylindrical surfaces, curved surfaces, small holes, grooves and axles.



## **Main Features :**

- \*Electromechanical integration design, small volume, light weight, easy to use;
- \*Using DSP chip to control and data processing, high speed, low power consumption;
- \*128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective;
- \*Intuitive and rich display information, can display all the parameters and graphics;
- \*Compatible with ISO, DIN, ANSI, JIS national standards;
- \*Residual quantity icon, prompting the user to charge;
- \*Continuous working time: more than 20 hours.
- \*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;
- \*Can be connected to a computer and printer;
- \*Optional different sensor, measuring platform, mini printer, extension rod and other accessories.
- \*Plastic shell, inspired by “TRANSFORMERS” stylish design, portable, high reliability.
- \*Optional bluetooth function.
- \*High price performance.




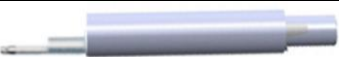




**Specifications:**

Testing parameters	Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx;
Measuring range (um)	Ra: 0.005-16.000 Rz: 0.02-160.00
Sample length (mm)	0.25, 0.80, 2.50
Evaluation length(mm)	(1-5)L
Maximum drive stroke	17.5mm/0.7inch
Indication accuracy	0.001
Indication error	±(7-10)%
Variability	<6%
Data Storage	100 groups
Power	Rechargeable li-battery
Working temperature	-20°C~40°C
Relative humidity	<90%
Size	158mmx63.5mmx46mm
Weight of Host	0.3kg

**Standard configuration:**

	Name	QTY
1	Host	1
2	Standard Sensor	1
3	Calibration block and bracket	1
4	Bracket	1
5	Charger	1
6	Adjustable support	1
7	Operating manual	1
8	Warranty card	1
9	Certificate of approval	1
10	Instrument case	1

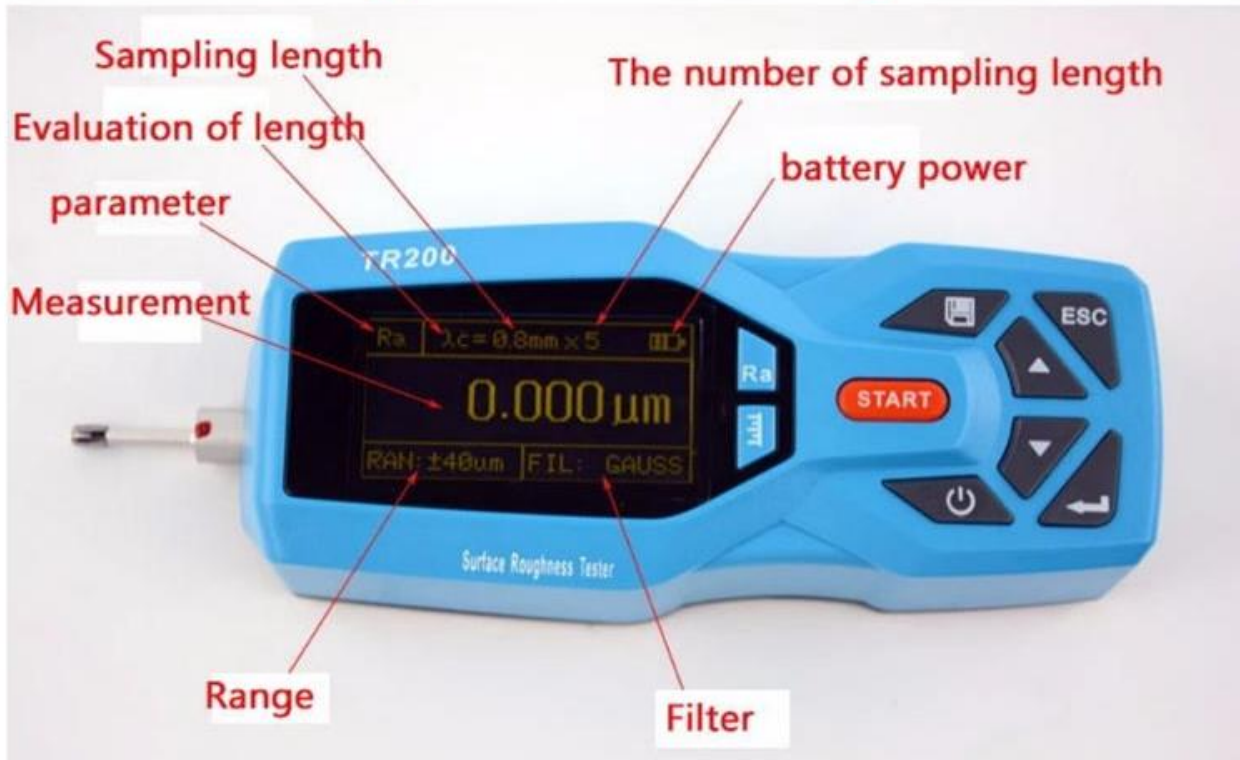
## Optional configuration

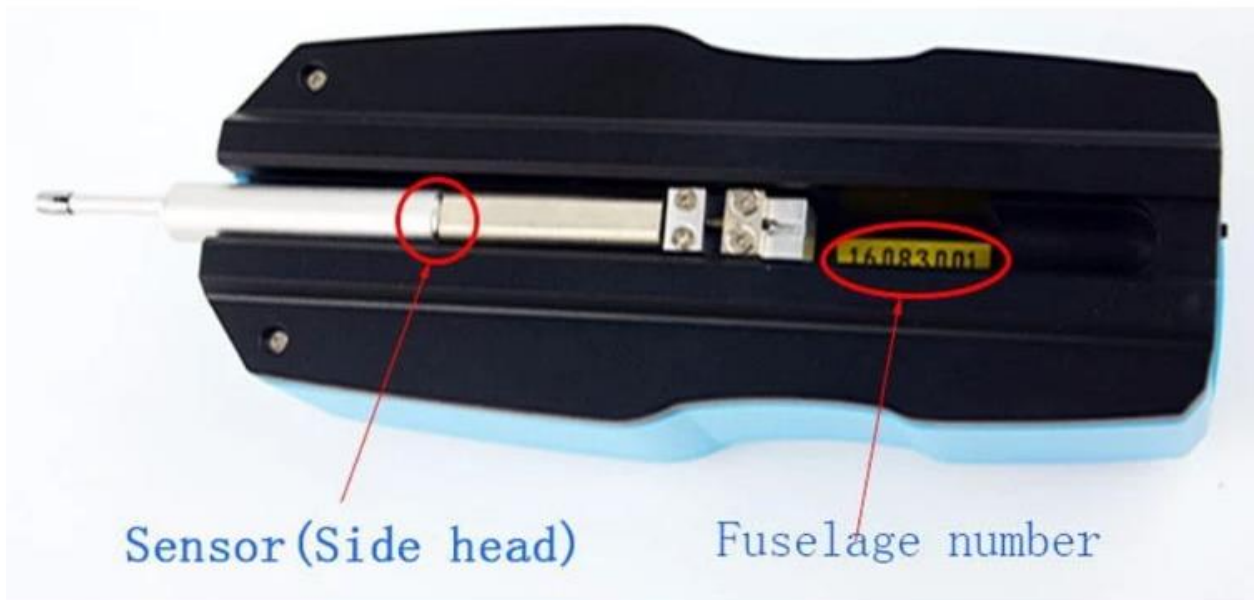
	<b>KS55 -Extension rod.</b> Used to extend length of sensor when testing deep hole (55mm)
	<b>KS90 -Right angle measuring mechanism.</b>
	<b>KS100 -standard sensor,</b> plane & shaft & inner surface of hole>6mm, depth <22mm
	<b>KS120 -small hole sensor,</b> cylindrical& plane &inner surface of hole>2 mm, depth <9mm
	<b>KS110 -sensor for curved surface &amp; plane,</b> cylindrical, curvature radius>3 mm, work with platform KA620
	<b>KS131 -sensor for deep groove,</b> cylindrical & plane & groove width>3 mm, depth<10mm work with platform KA620
	<b>KA520 -Metal working platform,</b> elevating, convenient and stable for test process.
	<b>KA620 -Marble substrate working platform,</b> elevating, V groove, high accuracy to test tiny work piece.

## **Real imagines :**



# Surface roughness measuring instrument







**Professional packing**

**We have professional packaging teams and shipping forwarder to pack and deliver your products safely!**

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.



**What we produce? (always accept customize)**

- |                              |                          |                                |
|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers      | 3. Environmental chambers      |
| 4. Mobile/Laptop testers     | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester    | 8. Color testers         | 9. Rubber/plastic testers      |
| 10. Fabric testers           | 11. Wire testers         | 12. Other testers              |