



TR200 Plus Surface Roughness Tester



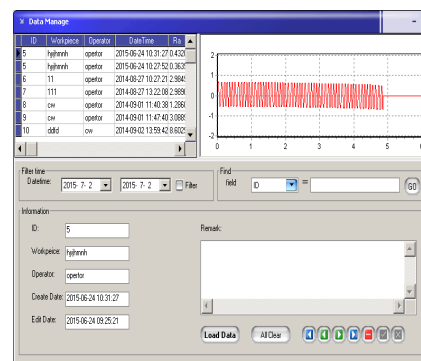
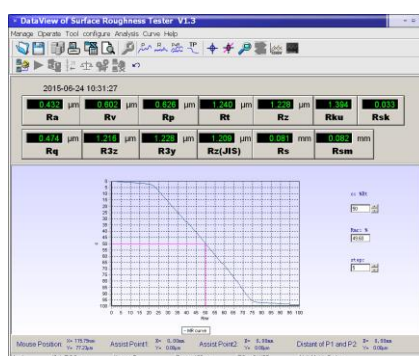
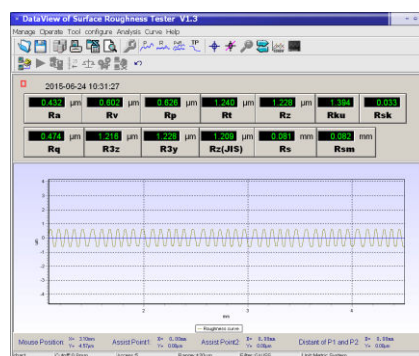
Features:

- Electronic, digital, OLED display
- Using DSP chip to control and data processing, high speed, low power consumption;
- 20 parameters: Ra, Rz, Ry, Rq, Rt, Rp, Rpc, Rk, Rpk, Rvk, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rs, Rmax, Mr1/Mr2
- Roughness profile graphic display
- Rmr curve (material ratio, C%) display
- Standard conforms to ISO, ANSI, DIN and JIS
- Display in both Metric (um) and Imperial units (uinch)
- Built-in lithium ion rechargeable battery , Working time more than 20 hours
- Large capacity data memory, can store 100 groups of original data and wave profile.
- Real-time clock settings and display, convenient data recording and storage
- With automatic dormancy, automatic shutdown and power saving function
- Can be connected to a computer and printer;
- Optional transducers for curved surfaces, bores, inside pipe and groove, measuring platform, an extension rod and other accessories.

Technical Specification:

Roughness Parameters	Ra, Rz, Ry, Rq, Rt, Rp, Rpc, Rk, Rpk, Rvk, Rv, R3z, R3y, RzJIS
	Rsk, Rku, Rsm, Rs, Rmax, Mr1/Mr2
Standard	ISO, ANSI, DIN, JIS
Assessed Profiles	Roughness profile, Material ratio profile (Rmr curve),
Measuring System	Both Metric um, and Imperial Uinch
Measuring Range	The Z axis(Vertical): 160 µm
	Ra: 0.01 – 10 µm (400 uinch), Rq: 0.01 – 40µm
	Rz,Ry, Rp, Rt, R3z: 0.02 – 160 µm
The Max./Min. driving trip	17.5mm / 0.75mm
Display Resolution	0.001 µm / 0.04 uinch
Filter	RC, PC-RC, Gauss, D-P
Cut-off length (lr)	0.25mm, 0.8mm, 2.5mm
Internal storage capacity	100 groups of original data
Evaluation length(ln)	$Ln=lr \times n \quad n=1-5$
Pick up transducer	Inductive, Diamond stylus with Radius 5 µm
Tolerance	$\leq \pm 10\%$
Repeatability	$\leq 6\%$
Display Features:	OLED display, transducer stylus position indicator, battery level indication, Measured parameters and profile showing, Rmr (T-P) curve showing
Output	USB
Power	Li-ion rechargeable battery, More than 20 working hours / per full charging
Dimensions	143 x 55 x 42mm
Weight	400g

Software



Standard Delivery

- TR200 Plus main unit
- TS100 + Pick-up transducer Software with USB cable Calibration certificate
- Standard test block
- Battery charger
- Steel protective support
- Manual & carrying case

Optional Accessory

- Probes for curve surface, bores and groove
- Measuring stand Platform
- Extension Rod for pick-up transducer