

# RTD-200

## Surface Roughness Meter



Portable Surface Roughness meter from Starr Instruments. Test results including waveform graph are displayed on the large LCD display and can be output to PC via USB and included software or optional printer.

Applications range from workshop testing stations, laboratory, metrology, QA, production line and on-site. Measurement parameters are in line with international standards ISO, DIN, ANSI, JIS and more.

Full USB charging and communication with included "DataView" software which allows the user to control the meter and view live graphing and much more.

### Features:

- Compact, lightweight & easy to use
- Rugged full metal shell design, sturdy, portable, high reliability.
- Uses DSP chip to control for high speed data processing & low power consumption
- Wide range of parameters: Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx
- Large, clear 128 x 64 OLED dot matrix digital graphic display shows all parameters
- Built-in lithium ion rechargeable battery allows up to 20 hours of continuous work
- Large capacity internal memory can store 100 groups of original data and waveform graph
- Data output and full testing control using "DataView" software program (included)
- Real-time clock settings and display, convenient data recording and storage

### Technical Data:

Maximum Travel	17.5mm
Indication Error	±10%
Measurement Profile	Roughness, waviness, contour
Parameter	Ra(0.005μm ~ 16μm), Rz(0.02μm ~ 160μm), Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx.
Filter	RC, PC-RC, Gauss, ISO13565
The sampling length (L)	0.25mm, 0.8mm, 2.5mm, 8mm
Evaluation length (L)	(1-5)L
Data Storage	100 sets
Power Supply	Built-in rechargeable battery