

# RTR-1000

## Surface Roughness Meter



The RTR-1000 is a Surface Roughness Meter from Starr Instruments designed for most common applications. Featuring internal memory and Bluetooth data output for optimizing test result reporting.

It is designed with a protruding stylus which makes it usable on curved surfaces and some of the more difficult to access areas. It has a backlit LCD screen and comes with a calibration specimen.

### FEATURES:

- Bluetooth wireless data output (software + dongle included)
- Protruding Stylus
- Backlit LCD screen
- Rechargeable Battery (via USB/Mains)
- DSP processor

### SPECIFICATIONS:

|                                |                                     |
|--------------------------------|-------------------------------------|
| <b>Maximum Travel</b>          | 17.5mm                              |
| <b>Indicating Error</b>        | ±10%                                |
| <b>Variation of indication</b> | ±6%                                 |
| <b>Data</b>                    | Bluetooth                           |
| <b>Test Range</b>              | Ra (0.005µm-16µm) Rz (0.02µm-160µm) |
| <b>Parameter</b>               | Ra, Rz, Rt, Rq                      |
| <b>Filter</b>                  | RC, PC-RC, Gauss                    |
| <b>Sampling Length "L"</b>     | 0.25mm, 0.8mm, 2.5mm                |
| <b>Evaluation Length</b>       | (1-5)L                              |
| <b>Power</b>                   | Built in rechargeable battery       |
| <b>Detection Principle</b>     | Current induction                   |