

# Roughness Tester PCE-RT 2200



**PCE-RT 2200 Roughness Tester**  
**For the measurement of surface texture or surface roughness**

Meet ISO, ANSI, DIN and JIS standards with PCE-RT 2200, a portable surface roughness tester with an easy-to-read LCD display, large internal memory and convenient USB port. Ideal for taking quick and accurate measurements of surface texture roughness, the PCE-RT 2200 roughness tester uses a digital signal processing (DSP) chip for high-speed data processing and control with low-power consumption.

- ▶ Select from 14 measured parameters
- ▶ Choose from 4 different filters: RC, PC-RC, Gauss, D-P
- ▶ Display measurements in  $\mu\text{m}$  or  $\mu\text{inch}$  (adjustable)
- ▶ Store up to 100 data sets on the internal memory
- ▶ Download data to PC for further analysis and long-term storage
- ▶ Meet ISO, ANSI, DIN and JIS standards
- ▶ Mount to a test stand for added stability
- ▶ Enjoy more than 20 hours of battery life with the 3.7 V rechargeable Li-ion battery
- ▶ See accessories for ISO calibration, test stand and sensor probe options
- ▶ Free software for data transfer downloadable from the PCE website

Subject to change

# Specifications

|   |  |
|---|--|
| Measured parameters                                 | Ra, Rz, Rq, Rx, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr  |
| Measuring range                                     | Ra: 0.005 ... 16 $\mu\text{m}$<br>Rz: 0.02 ... 160 $\mu\text{m}$ |
| Sampling length/cutoff wavelength $l_r = \lambda_c$ | 0.25 / 0.8 / 2.5 mm  |
| Total scanning distance                             | 1 ... 5 mm   |
| Standards   | ANSIB46.1/ASMEB46.1 (DIN EN ISO 4287)                            |
| Stylus  | Touch diamond with 5 $\mu\text{m}$ tip radius                    |
| Filters   | RC, PCRC, Gauss, ISO13565  |
| Display   | LCD 128 x 64 Dot matrix  |
| Interface   | USB  |
| Internal memory                                     | Stores up to 100 data sets                                       |
| Power supply  | Rechargeable Li-Ion battery                                      |
| Dimensions  | 141 x 55 x 40 mm / 5.55 x 2.17 x 1.57 in                         |
| Weight  | 400 g / 0.88 lbs   |

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