



Technical Specification Roughness Tester PCE-RT 11

Roughness Tester PCE-RT 11

Roughness tester for accurate determination of roughness according to Ra, Rz, Rq and Rt / with piezoelectric probe / big OLED display with backlight

The Roughness Tester PCE-RT-11 is a portable measuring instrument for determination of surface roughness according to Ra, Rz, Rq and Rt in just one device. The small roughness tester is especially designed for fast measuring of roughness. The roughness (obsolete: throatiness) is a term of surface physics that describes unevenness of surface height. The roughness tester works according to the same piezoelectric micro probe principle like the highly accurate laboratory measuring instruments. The easy handling of the roughness tester as well as the high repetitive accuracy characterizes this device. After touching the button the piezoelectric micro probe of the roughness tester scans the surface within seconds and shows digitally, according to the preselected cut-off length, either the value Ra, Rz, Rq or Rt.

- With real time battery display
 - USB interface
 - Simple calibration
 - Also for cylinder and inclined area
 - With slider to protect the probe
 - Wide measuring area
 - OLED display
 - With roughness standard
 - Piezoelectric probe
 - With backlight
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- ▶ Touchscreen interface and PC connection
 - ▶ Measurement of all roughness profile values
 - ▶ Battery and mains operation
 - ▶ Different filters adjustable
 - ▶ Diamond test head
 - ▶ Removable motorized sensor
- Large measuring range: **Rz: 0.02 μm ... 320 μm ; Ra, Rq: 0.005 μm ... 32 μm**

Made in Germany

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