PROFILOMETER - ROUGHNESS TESTER

PCE-RT 1200BT



- **Very compact**
- **Easy to handle**
- **A large OLED display**
- **4 measurable parameters of roughness**
- **The probe of the roughness meter consists of a high-quality diamond**
- **The display of the roughness meter outputs the measured values in tabular**
- **form**
- **The measured values can also be output by the roughness meter as a graph**
- **A micro-USB interface for online data transmission to a PC (for example**
- **useful for serial measurement or laboratory measurement)**
- **An internal rechargeable battery (3000 measurements with one battery charge**

with micro USB interface

With this portable Bluetooth profilometer - roughness tester, you can quickly and precisely measure the roughness of a wide variety of surfaces. To do this, the roughness meter with Bluetooth is placed on the surface to be tested. With the positioning device, the roughness meter can be aligned on a wide variety of surfaces. A measurement with the Bluetooth roughness meter can be carried out at the touch of a button. After the measurement has been carried out, the measured value is shown to the operator on the display of the Bluetooth roughness meter. A progress diagram of the surface is also shown on the display.

When measuring the surface roughness, there are various measurement parameters that provide information about the roughness of the surface, for example the maximum roughness depth, the mean roughness depth and many other measurement parameters. After a measurement has been carried out, these can be displayed in the data memory of the Bluetooth roughness meter.

Specification

Roughness	
Measurement range up to	0,005 ... 16 µm
Accuracy	<±10 %

General technical data	
Repeat accuracy	<6 %
Measuring functions	Ra, Rz, Rq, Rt
Display type	OLED
Storage medium	Internal memory
Storage capacity	20 Values
Interface	Micro-USB, Bluetooth
Standard(s)	ANSIB46.1/ASMEB46.1, ASMEB46.1, DIN EN ISO 4287
Sensor	inductive
Operating time	3000 Measurements
Key	Probe tip radius: 5 µm Probe tip material: diamond, 90° angled Max. recomm. force for static measurement: 4 mN (0.4 gf) Radius of longitudinal guide rail: 45 mm Maximum traversed length: 15 mm Scanning speed: 0.135 mm/s with cut-off wavelength: 0.25 mm 0.5 mm/s with cut-off wavelength: 0.8 mm 1 mm/s with cut-off wavelength: 2.5 mm Return speed: 1 mm/s
Menu language	English
Power supply	3.7 V
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion polymer battery
Capacity	1500 mAh
Dimensions (L x W x H)	150 x 60 x 43 mm
Weight	370 g

After each measurement of the roughness, the recorded measured values ⍰⍰are saved in the roughness meter with Bluetooth. Up to 20 measurement sequences can be saved with the Bluetooth roughness meter. In order to process or analyze these further, the Bluetooth roughness meter can be connected to a PC via the micro-USB interface and read out, analyzed and further processed using the free software in the download portal.

This roughness meter has a Bluetooth interface.

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