

Surface roughness tester

TR200



**Handheld surface roughness tester
with graphics display and data output**

- very compact instrument
- easy to operate menu software
- graphical display on large LCD
- 13 different roughness parameters
- pickup stylus position indicator
- auto-off after 5 minutes with auto-store
- data output RS 232
to printer TA 220 or PC
- excellent battery power with Li-ion technology

TR200 Surface roughness tester

Supply schedule

- Main unit TR200
- Detector TS 100
- Roughness test plate
- Protection nose
- Battery charger
- Screwdriver
- Carrying case
- Manual
- Certificate

Optional accessories

- Special detectors for grooves/small bores
- UKAS roughness test plates
- TA 610 test platform
- TA 220 printer



TA 610 test platform



TA 220 printer

Technical data

Roughness parameter:	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rm, R3z, S, Sm, Sk, Tp
Profiles:	Roughness profile, Tp curve
Standard:	Conform ISO/DIN/JIS/ANSI
Measuring system:	Ra, Rq: 0.01 – 40 μm Rz, Ry, Rt, Rp, R3z: 0.02 – 160 μm
Display:	LCD 128 x 64 mm (graphic), with backlight
Languages:	English, German, French, Italian, Spanish and Dutch
Data output:	RS 232 to printer or PC
Cut-off length:	0.25/0.8/2.5 mm
Evaluation length Ln:	1–5 cut-off
Tracing length Lt:	(1–5 cut-off) + 2 cut-off
Key rate	0.5 mm/s
Measuring exactness:	ISO Class 2
Repeating exactness:	6%
Filter:	conventional RC filter, digital filter M1 (DIN 4777) and M2 (DIN 4776)
Detector:	Standard model TS 100, Sense of diamond: 90°
Tip radius:	5 μm
Permissible temperature:	5°C – 40°C
Battery capacity:	Li-ion battery rechargeable, 1,000 mAh (> 3,000 measurements)
Dimensions unit:	141 mm x 56 mm x 48 mm
Weight:	440 g



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