

SURFACE ROUGHNESS

Applications

- Surface Roughness measurement of: workpiece machining, machine manufacturing, moulds and moulding finishing and commercial samples/plastics
- On-site examination of large workpieces and products on a production line
- Field testing

Features

- Handheld surface roughness tester with graphics display and data output
- Easy to operate unit menu software
- Graphical display on large LCD, with brightness adjustment
- 13 different roughness parameters
- Pickup stylus position indicator
- RS232 output to printer or PC
- Detector stylus position indicator
- Direct display of parameters and profiles
- Auto-off after 5 minutes
- Calibration through software (each cut-off)



Specifications

Roughness parameter:	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rm, r3z, S, Sm, Sk, tp
Profile rec. magnification:	Vv: 200x ~ 20000x Vh: 20x, 50x, 200x
Standard:	Conform ISO/DIN/JIS/ANS 1 (menu selectable)
Display resolution:	0.001µm
Display:	LCD 128x64 dot-matrix, with backlight
Dimensions LCD:	50x30mm screen
Range:	Ra, Rq: 0.01 - 40µm Rz, Ry, Rp, Rt, R3z: 0.02 - 160µm Sm, S: 2 - 4000µm Tp: 1-100% (%Ry)
Cut-off length:	0.25mm / 0.8mm / 2.5mm
Evaluation length Ln:	1~5 cut-off
Tracing length Lt:	(1~5 cut off) + 2 cut-off
Digital filter:	RC, PC-RC, GAUSS, D-P
Detector (TS100):	Inductive, Diamond tip radius 5µm
Bores from diameter	6.0mm, depth 15mm
Power:	Li-ion battery rechargeable
Battery capacity:	1000mAh (>3000 measurements)
Working Temperature:	5~40°C
Dimensions unit:	141x56x48mm
Weight:	440g

Complete with:

- Main unit TR200
- Detector TS100
- Roughness test plate
- Protection nose
- Steel support for stand alone use
- Interface cable
- Charger
- Screwdriver
- Suitcase
- Manual

Optional Accessories:

- Special detectors for grooves/small bores
- Steel adapter (0.8mm)
- TA610 test platform
- Steel adapter for connection to platform TA610
- TA220 printer
- Software

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