

SURFACE ROUGHNESS TESTER TR-220™

Advanced handheld, menu operated surface roughness tester, 19 roughness parameters and with graphic display

- Very complete instrument!
- 19 different parameters
- Pick-up stylus position indicator
- Data output RS-232 to printer TA-220S or PC
- Excellent battery power with Li-ion technology
- Conforms to ISO
- Memory for 15 readings including profiles
- Optional pick-up for grooves/bores and holes



Technical specifications

Parameters	Ra, Rq, Rz, Rt, Rp, Rv, Ry, RS, RSm, RSk, Rz (JIS), R3z, Rmax, R _{Pc} , Rk, R _{pk} , Rvk, Mr1, and Mr2
Assessed profiles	Finish profile (R)
Measuring system	Metric, imperial
Display resolution	0.001µm / 0.04 pinch
Display	LCD 128x64 dot-matrix, with back-light
Dimensions of LCD	50mm x 30mm screen
Display languages	English
Display features	Pick-up stylus position indicator, Direct display of parameters, Direct printing, memory for 15 readings, Auto-off after 5 minutes with auto-store (last reading), Calibration through software
Data output	RS-232; direct to printer TA-220S or PC
Measuring range	Ra: 0.005-16µm Rz: 0.02-160µm
Cutoff length	0.25mm / 0.8mm 2.5mm
Tracing length	1~5 cut-off (selectable)
Digital filter	RC, PC- RC, Gauss, D-P
Pick-up	Standard model TS100, inductive, Diamond tip radius 5µm
Bores from diameter	6.0mm, depth 15mm (TS-100)
Power	Li-ion battery rechargeable
Charger	220V, 20Hz
Working temperature	0°C - 40°C
Relative humidity	<80%
Operating temperature	-25°C - 60°C
Ventilation	Grade 3
Dimensions	140mm x 52mm x 48mm
Weight	440gr

Standard delivery

- Main unit TR-220
- Pick-up jacket
- Pick-up TS-100
- Roughness test plate Ra
- Steel support for stand alone use
- Charger 220V, 50Hz
- Screwdriver
- Manual
- Certificate
- Carrying case

Optional accessories

- Special pick-ups for grooves/small bores; Pick-up TS-110, pick-up TS-120
- Test platform TA-610
- TA-220S printer
- Extension TSE-A
- Extension TSE-B 90°
- Dataview software with cable