

❖ product information ❖

TR200 SURFACE ROUGHNESS TESTER



Features

- Measures metal and non-metal processing parts
- Menu operation, digital display, multi-parameters
- Graphical display on large LCD
- Detector stylus position indicator
- Auto cut-off
- RS 232 interface to PC

Technical Specifications

Roughness parameters	Ra, Rz, Ry, Rq (RMS), Rt, Rp, Rmax, Rm, R3z, S, Sm, Sk, tp
Assessed profiles	Primary profile (P), Roughness profile (R) tp curve (material ratio Mr)
Profile recording magnification	Vv:200 x -- 20000 x Vh:20 x , 50 x , 200 x
Standard	Conform ISO/DIN/JIS/ANSI
Measuring mode	Metric (μ m) and imperial (μ inch)
Display resolution	0.001 μ m/0.04 μ inch
Display	LCD 128 x 64 dot-matrix, with backlight
Dimensions of LCD	50 x 30mm screen
Display features	Detector stylus position indicator
	Battery level indicator

	Direct display of parameters and profiles
	Direct printing
	LCD brightness adjustment
	Auto-off after 5 minutes with auto-store
	Calibration through software (each cut-off)
Display languages	English, German, French, Italian, Spanish, Dutch
Data output	RS232; direct to printer TA220 or PC
Range	Ra, Rq: 0.01 - 40 μ m
	Rz,Ry,Rp,Rt,R3z:0.02 - 160 μ m
	Sm, S: 2-4000 μ m
	tp:1-100%(%Ry)
Cut-off length	0.25mm/0.8mm/2.5mm/auto
Evaluation length Ln	1-5 cut-off
Tracing length Lt	(1-5 cut-off) + 2 cut-off
Digital filter	RC, PC-RC GAUSSIAN, D-P
Detector	Standard model TS100, inductive, Diamond tip radius 5 μ m
Bores from diameter	6.0mm, depth 15mm (TS100)
Power	Li-Ion battery rechargeable
Battery capacity	1000mAh (>3000measurements)
Charger	220V/110V, 50Hz
Working temperature	5-40°C
Dimensions	141mm x 56mm x 48mm
Weight	440g

Standard Package

- Processor integrated with pick-up
- Roughness standard
- Battery charger
- Carrying case