

# TRADE COMBINE

HOME PROFILE PRODUCTS PRICELISTS DOWNLOAD TERMS CONTACT

## TIME Precision Measuring Instrument

### Surface Roughness Tester TR200 / 210 / 220



#### Features:

- Applicable in production site, laboratory and workshop in factory
- Easy operation menu and large LCD display with backlight
- Li-ion rechargeable battery
- Pickup position indicator
- Conform to ISO standard, compatible with DIN, ANSI and JIS standard
- Advanced software for TR200 and TR220 is available
- Lots of delicate optional accessories are supplied making user's of measurement more efficient and easier

#### Technical Specification:-

	TR200	TR2100	TR220
Roughness parameter	Ra, Rz, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr.	Ra, Rz, Rq, Ry.	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr, Rpc, Rk, Rpk, Rvk, Mr1, Mr2.
Assessed profiles	Roughness profile (R)		
	Primary profile (P)		Primary profile (P)

Measuring system	Metric, English		
Display resolution	0.01µm		
Data output	RS232		
Measuring Range	± 20µm, ± 40µm, ± 80µm		
Cutoff length (L)	0.25mm / 0.8mm / 2.5mm / Auto		
Evaluation length	1 ~ 5L (selectable)	5L	1 ~ 5L (selectable)
Tracing length	(1 ~ 5)L + 2L (selectable)	5L + 2L	(1 ~ 5)L + 2L (selectable)
Digital filter	RC, PC-RC, Gauss, D-P		
Max. tracing length	17.5mm / 0.71 inch		
Min. tracing length	1.3mm / 0.051 inch	1.8mm / 0.071 inch	1.3mm / 0.051 inch
Pick-up	Standard pickup TS100, inductive, Diamond stylus radius 5µm, angle of stylus 90°		
Tolerance	= ± 10%		
Repeapility	< 6%		
Power	Li-ion battery rechargeable		
Dimensions	141mm × 56mm × 48mm		
Weight	480g		440g

## Surface Delivery

- Main unit 1
- TS100 standard pickup 1
- Specimen Ra 1
- Charger 1
- Protection nose 1
- Steel support 1
- Screwdriver 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1

## Optional Accessories

- TS110 pickup for curved surface
- TS120 pickup for small holes
- TS130 pickup for deep grooves
- TS140 right-angled pickup
- Measuring platform TA610 / TA620
- Leveling table TA630 / TA631
- Magnetic stand
- Steel adapter (Ø8)
- Steel adapter (L-attachment)
- Software for TR200 / TR220
- Printer TA230 (see page 47)

[Time NDT Instruments](#)

[Home](#)