

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 measurement more efficient and easier

Technical Specification

	TR200	TR210	TR220
Roughness parameters	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr,	Ra, Rz, Ry, Rq	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	0.01 μ m		
Data output	RS232		
Measuring Range	$\pm 20\mu$ m, $\pm 40\mu$ m, $\pm 80\mu$ m		
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 + 2 L	(1~5)L + 2L (selectable)
Digital filter	RC, PC-RC, Gauss, D-P		
Max. tracing length	17.5mm/0.71inch		
Min. tracing length	1.3mm/0.051inch	1.8mm/0.071 inch	1.3mm/0.051inch
Pick-up	Standard pickup TS100, inductive, Diamond stylus radius 5 μ m, angle of stylus 90°		
Tolerance	$\leq \pm 10\%$		
Repeability	<6%		
Power	Li-ion battery rechargeable		
Dimensions	141mm \times 56mm \times 48mm		
Weight	480g	440g	

Standard Delivery

- Main unit 1
- TS100 standard pickup 1
- Specimen Ra 1
- Charger 1
- Protection nose 1
- Steel support 1
- Screwdriver 1
- Connecting cable 1
- Instruction Manual 1
- TIME Certificate 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 ($\phi 8$)
- Steel adapter (L-attachment)
- Software for TR200/TR220
- Printer TA230 (see page 47)