

# Surface Roughness Tester TR220



## 🔽 Product Information

**Product** Applicable in production site, library and factory

**info:** Surface roughness testing of lots of mechanical parts

Conform to ISO standard, compatible with DIN, ANSI and JIS standard

Multi-data testing and LCD display

English operation menu

Pickup position Indicator

Storage and check of testing data

Time display, clock settable

Function of self-check available

Pk graph display

DSP (Digital Signal Processor) used for data processing

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***The Art of Measurement***

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## Technical specifications

Measurement parameter	Ra, Rz, Rq, Rt, Rp, Rv, Rz (JIS),R3z,Rmax, RSk,RPc,Rk,Rpk,Rvk,Mr1,Mr2
Measuring range	Ra:0.025 $\mu$ m~12.5 $\mu$ m
Display range	Ra,Rq:0.025 $\mu$ m~12.5 $\mu$ m Rz, Ry, Rt, Rp, Rz(JIS),R3z,Rmax:0.02 $\mu$ m~160 $\mu$ m RSm,RS:1mm Rmr:1~100%(%Rt),RSk:0~100%
Pickup Measuring range	$\pm$ 80 $\mu$ m
Resolution	0.01 $\mu$ m
Filter	RC, PC-RC,GAUSS,D-P
Cutoff length	0.25mm,0.8mm,2.5mm,Auto
Evaluation length	1L~5L(selectable)
Measuring length	3L~7L(selectable)
Max. driving length	17.5mm/0.71 inch
Min. driving length	1.3mm/0.05 inch
Accuracy	$\leq$ $\pm$ 10%
Repeatability	<6%
Angle of stylus tip	90°
Radius of stylus point	5 $\mu$ m
Data communication interface	RS232
Power supply	High-quality LI-ion battery 6V/800mA
Working Temperature	0~40 °C
Relative humidity	<90%
Dimensions	140mm x 56mm x 48mm
Weight	440g

# Surface Roughness Tester TR220

## Standard delivery

Main unit	1
Standard pickup TS100	1
Specimen Ra	1
Charger	1
Protection nose	1
Steel supporter	1
Screwdriver	1
Instruction manual	1
TIME certificate	1
Warranty card	1
Carrying case	1

## Optional accessories

TS110 Curve Pickup

TS120 Small bore Pickup

TS130 TS131 Groove Pickup

Measuring platform TA610, TA620

Inching platform TA630 TA631

Extension rod

Side connecting rod

Magnetic stand

Printer TA220S

PC software (TIME Surf for TR220)

Communication cable

Steel adapter for universal stand

Steel adapter for platform