

# TIME<sup>®</sup> 3200/3202

## SURFACE ROUGHNESS TESTER

### Standard Delivery

●Main unit	1	●Steel support	1
●TS100 standard pickup	1	●Dataview	1
●Roughness test plate Ra	1	●Communication cable	1
●Charger	1	●TIME certificate	1
●Protection nose	1	●Warranty card	1
		●Instruction manual	1

### Optional Accessory

- TS110 pickup for curved surface
- TS120 pickup for small holes
- TS130 pickup for deep grooves
- TS140 right-angled pickup
- Measuring platform TA620
- Leveling table TA630/TA631
- Magnetic stand
- Steel adapter (Φ8)
- Steel adapter (L-attachment)
- Printer TA230

### Features

- Over dozen measurement parameters applicable for roughness test of various mechanical manufacturing processes in production lines, workshops and labs.
- High accuracy inductive pickup
- Easy operation manual and large LCD display with backlight.
- Pickup stylus position indicator.
- Transfer to PC via RS232 with advanced PC Software TIMESurf for more analyzing management.
- Connected with printer to print the data and graphs on-site.
- Storage and review function for up to 15 groups data and graphs.
- Rk data and graphic are available.
- Digital filter: RC, PC-RC, Gauss, D-P
- Optional delicate accessories for more accurate results and easier operation eg. measuring platform, steel support and so on
- Conform to ISO standard, compatible with DIN, ANSI and JIS standard.
- Top quality Li-ion rechargeable battery.



### Technical Specification

Model	TIME <sup>®</sup> 3200	TIME <sup>®</sup> 3202
Roughness parameters	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr,	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, imperial	
Display resolution	0.001 µ m	
Data output	RS232	
Pickup measuring range	±20µ m, ±40µ m, ±80µ m	
Cutoff length (L)	0.25mm / 0.8mm / 2.5mm/Auto	
Evaluation length	1~5L (selectable)	1~5L (selectable)
Tracing length	3-7L(selectable)	3-7L(selectable)
Digital filter	RC, PC-RC, Gauss, D-P	
Max. tracing length	17.5mm/0.71inch	
Min. tracing length	1.3mm/0.052inch	
Pick-up	Standard pickup TS100, inductive, diamond stylus radius 5µm, angle of stylus 90°	
Accuracy	≤±10%	
Repeatability	≤6%	
Power	Li-ion battery rechargeable	
Dimensions (mm)	140×52×48	
Weight (g)	440	440