TIME®3200/3202

SURFACE ROUGHNESS TESTER

Standard Delivery		 Steel support 	1
 Main unit 	1	 Dataview 	1
 TS100 standard pickup 	1	 Communication cable 	1
 ◆Roughness test plate Ra 	1	 TIME certificate 	1
 Charger 	1	 Warranty card 	1
 Protection nose 	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

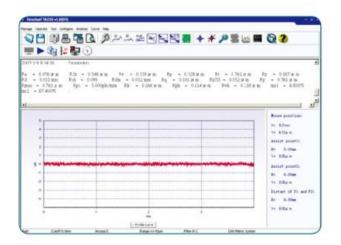
Model	TIME*3200	WILL LIEBOORD	
Model	TIME 0200	TIME*3202	
Roughness parameters	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr,	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr, Rpc, Rk, Rpk, Rvk, Mr1, Mr2	
Assessed profiles	Roughness profile (R)		
Assessed profiles	Primary profile (P)	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°		
Tolerance	≤±10%		
Repeatability	≤6%		
Power	Li-ion battery rechargeable		
Dimensions (mm)	140×52×48		
Weight (g)	440	440	

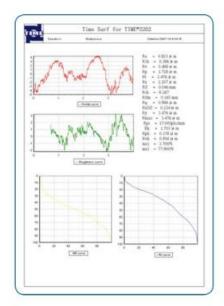
System Diagram

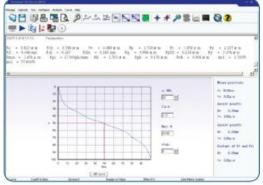


TIMESurf for TIME®3200/3202

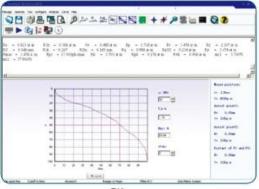
Software works for TIME advanced surface roughness tester TIME®3200/3202 managing, analyzing, printing and searching measured data and graphs



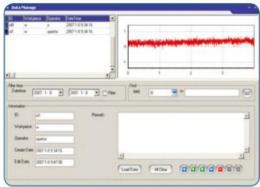




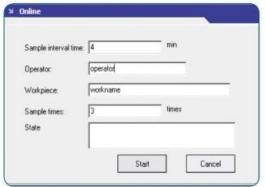




RK curve



Database management



Online measurement