



Time@3200 Surface Roughness Tester

Introduction:

TIME@3200/3202 Surface Roughness Tester (TR200) is a cost-effective roughness measuring equipment which supports a dozen of parameters. It is small and light with better accuracy. TIME@3200/3202 can be equipped with several optional pickup for different applications. Well suited for on-site roughness testing.

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 TIME Surf 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.

Specification:

Model	TIME @ 3200
Roughness parameters	Ra, Rz, Ry, Rq, Rt, Rp, Rmax, Rv, R3z, RS, RSm, RSk, Rmr,
Assessed profiles	Roughness profile (R) 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)
Tracing length	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