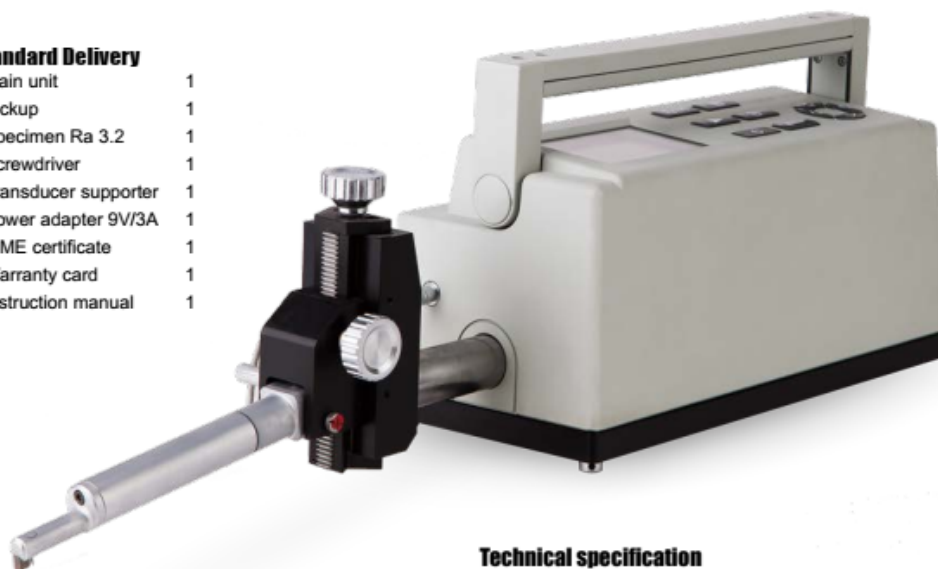


Standard Delivery

•Main unit	1
•Pickup	1
•Specimen Ra 3.2	1
•Screwdriver	1
•Transducer supporter	1
•Power adapter 9V/3A	1
•TIME certificate	1
•Warranty card	1
•Instruction manual	1



Features

- Integrated design, easy and convenient to use
- 55 kinds of measurement parameters conform to ISO/DIN/ ANSI/JIS standards for your convenience. High accuracy in the roughness, waviness and primary profile testing of various parts.
- LCD displays digital and graphic information
- Numerous optional sensors to approach even the most inaccessible places
- Transfer to PC via RS232 with advanced PC Software TIMESurf for more analyzing management, and data can be stored in Excel file.
- Printer can be connected to print the digital and graphic information
- Wide measurement range with the Accuracy 5% and Repeatability 3%

Optional Accessory

- Printer TA230
- PC software (TIMESurf for TIME®3230)
- RS232 communication cable

TIME®3230

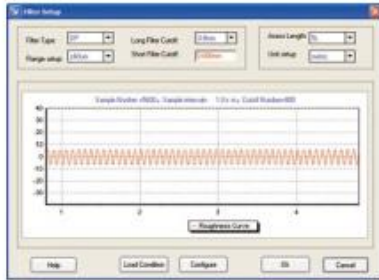
SURFACE FORM TESTER

Technical specification

Assessed profile	R (Roughness), W (Waviness), P (Primary profile)
Measuring range	±400μm, ±25μm
Filtering	RC,PCRC,Gauss,D-P,ISO 13565
Parameters	R: Ra,Rp,Rv,Rt,Rz,Rq,Rsk,Rku,Rc,RS,RSm, Rlo,RHSC,Rpc,Rmr(c),RzJIS,R3y,R3z W: Wa,Wp,Wv,Wt,Wz,Wq,Wsk,Wku,Wc,WS, WSm,Wlo,WHSC,Wpc,Wmr(c),WzJIS P: Pa,Pp,Pv,Pt,Pz,Pq,Psk,Pku,Pc,PS,PSm, Plo,PHSC,Ppc,Pmr(c),PzJIS Rk: Rk,Rpk,Rvk,Mr1,Mr2
Cut-off length	0.08mm,0.25mm,0.8mm,2.5mm,8mm
Max. tracing length	40mm
Analysis graphs	ADC, BAC
Evaluation length	1L-5L
Resolution	0.001μm/50μm; 0.016μm/800μm
Tolerance	±5%
Display	LCD
Memory	10 groups of primary data
Data output	RS232,USB
Power supply	Li battery / AC adapter
Dimensions (mm)	409×96×98
Weight (g)	2300

TIMESurf for TIME[®]3230

Software works for TIME advanced surface roughness tester TIME[®]3230 managing, analyzing, printing and searching measured data and graphs

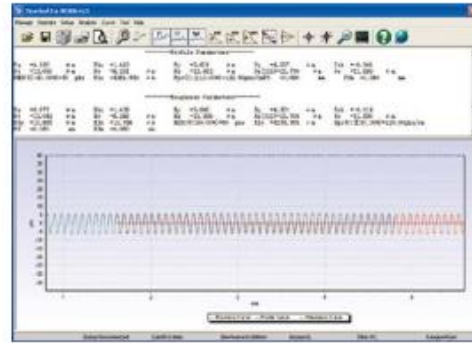
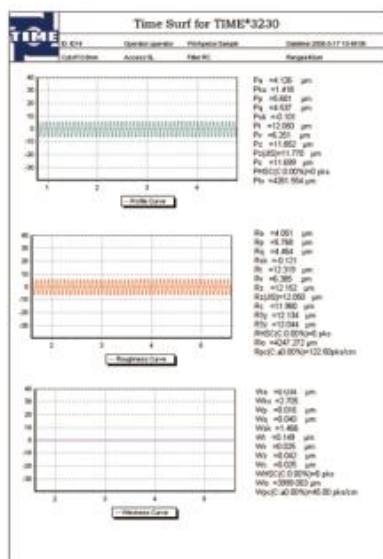


Features

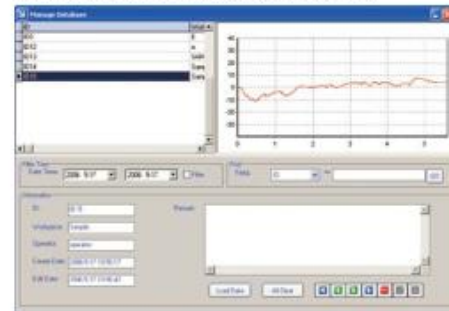
Operator is allowed to perform evaluation of mean value, max. value, min. value, standard deviation and variance by moving mouse. And the calculation results can be stored in a default Excel file or in a Excel file specified by user



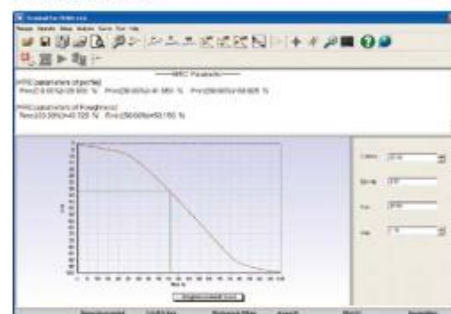
Printing function is designed for operator to make printing report including what is needed about the curves and parameters.



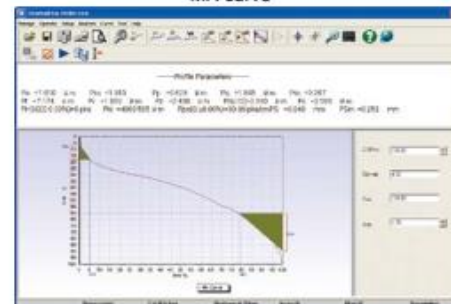
Equipped with powerful data management function. The collected data can be stored as a file or stored in database for user's searching and browse.



Variety of curves are displayed as well as all selected parameters and measured results. And all views (including graphs, figures and any other things) displayed can be printed out with the advanced printing function.



MR curve

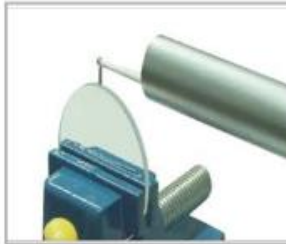


RK curve

Pickup for TIME® 323X



TIME S230 standard pickup



TIME S230V pickup (7mm changeable diameter)



TIME S230U pickup (7mm)



TIME S231 pickup for tooth surface (120° probe)



TIME S232 pickup for small hole (ø1.33)



TIME S233 pickup for deep groove (10mm)

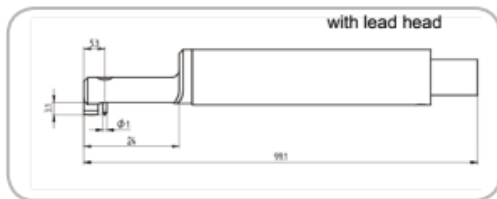


TIME S236 pickup for extra deep groove (20mm)

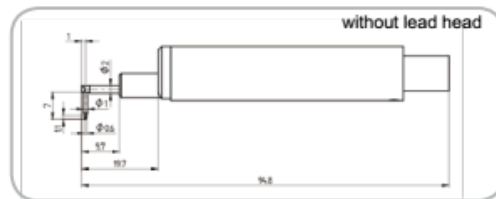


TIME S238 pickup for super deep groove (30mm)

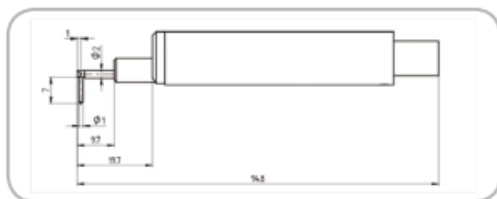
Pickup for TIME[®] 323X



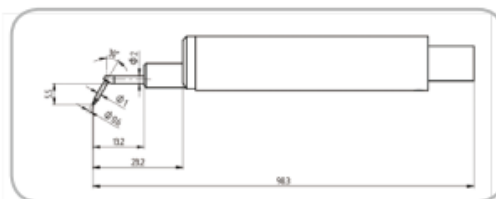
TIME S230 standard pickup



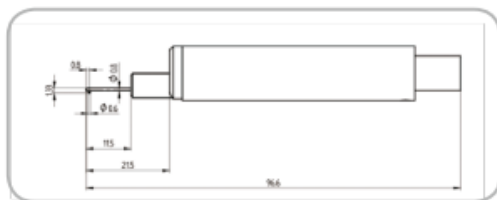
TIME S230V pickup



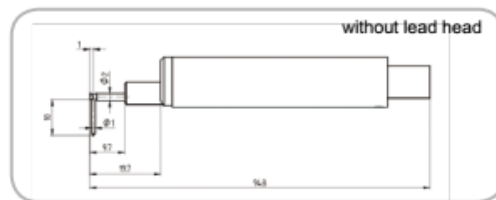
TIME S230U pickup



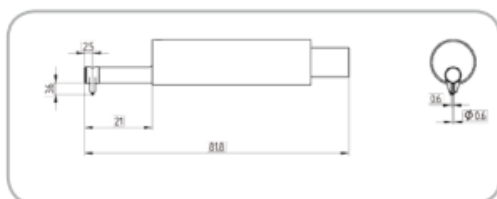
TIME S231 pickup for tooth surface



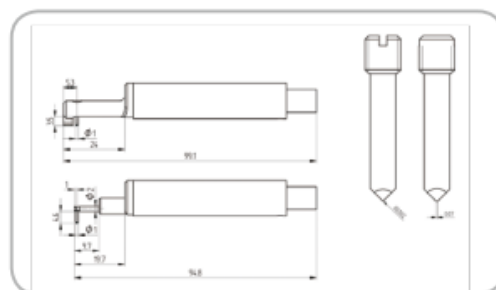
TIME S232 pickup for small hole



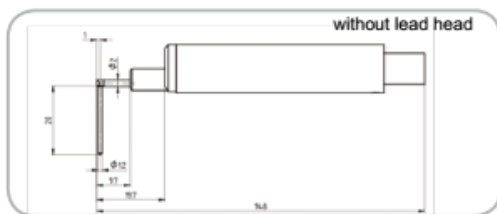
TIME S233 pickup for deep groove



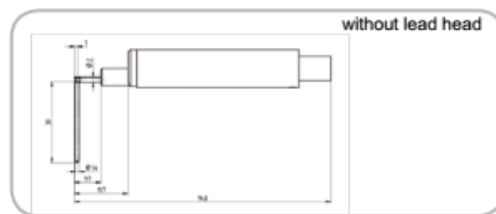
TIME S234 pickup for curved surface



TIME S235 pickup for axe-cutter



TIME S236 pickup for extra deep groove



TIME S238 pickup for super deep groove

Applications for TIME[®] 323X

