

Features

- Integrated design, easy and convenient to use, especially for narrow space down to 1.5mm
- 55 kinds of measurement parameters conform to ISO/DIN/ ANSI/JIS standards for your convenience
- Rectangular driver for 90 angle measurements, even without lead
- High accuracy in the surface roughness, waviness and primary profile testing.
- LCD displays digital and graphic information
- Numerous optional sensors to approach even the most inaccessible places, with or without leads
- 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
- Repeatability 6% and 3%(probe with skid)

Standard Delivery

- Main unit 1
- Standard pickup TIMES247 1
- Ra specimen 1
- Power Adapter 1
- Communication cable 1
- User Manual 1
- TIME certificate 1
- Warranty card 1

Optional Accessory

- PC software (TIMESurf for TIME®323X)
- Communication cable
- Magnetic detachable pickup



Magnetic detachable pickup

TIME®3231

SURFACE FORM TESTER



Technical specification

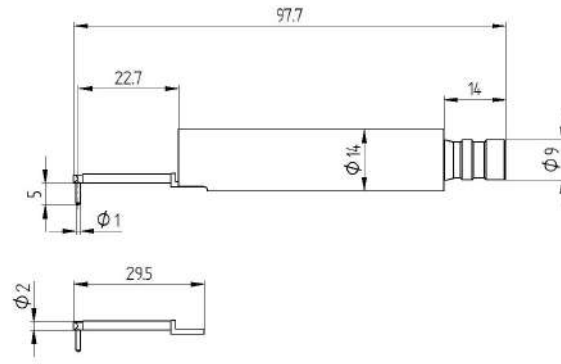
Assessed profile	R (Roughness), W (Waviness), P (Primary profile)
Measuring range	1000μm(±500μm); 1400μm(super wide range probe); 800μm/50μm(probe with skid)
Filtering	RC,PCRC,Gauss,D-P,ISO 13565
Parameters	R: Ra,Rp,Rv,Rt,Rz,Rq,Rsk,Rku,Rc,RS,RSm, Rlo,RHSC,Rpc,Rmr(c),RzJIS,R3y,R3z W: Wa,Wp,Wv,Wt,Wz,Wq,Wsk,Wku,Wc,WS, WSm,Wlo,WHSC,Wpc,Wmr(c),WzJIS P: Pa,Pp,Pv,Pt,Pz,Pq,Ps,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
Tolerance	10%; ±5%(probe with skid)
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

Features

- TIME® S247 magnetic roughness pickup is a roughness pickup with a separately detachable stylus part. The stylus part is connected to the pickup body by magnetic attraction.
- When encountering unexpected situations such as collision, the stylus part will fall off by itself to avoid damage, thus improving the reliability of the pickup.
- At the same time, the split structure is adopted, and different types of stylus parts can be selected and installed on the pickup body according to the shape and size of the workpiece to be measured, thus improving the versatility of the pickup.
- The pickup adopts a headless design and can be used with TIME3231 roughness meter, and TIME3234 waviness meter.
- TIME @S247 magnetic roughness pickup has 10 kinds of stylus parts to choose from and replace, of which the standard is 5mm stylus part.



Magnetic detachable pickup



TIME@S247 Magnetic pickup dimensions

Technical specification

Stylus tip radius	5μm/2μm optional
Stylus tip angle	90° / 60°
Measuring force	f≤4mN
Measurement range	1000μm
Accuracy	≤±10%
Repeatability	< 6%

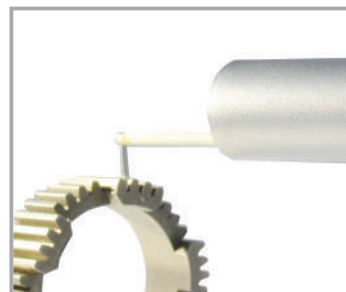
TIME®S247

MAGNETIC PICKUP

Pickup for TIME® 323X



TIME S230 standard pickup



TIME S230V pickup (7mm changeable diameter)



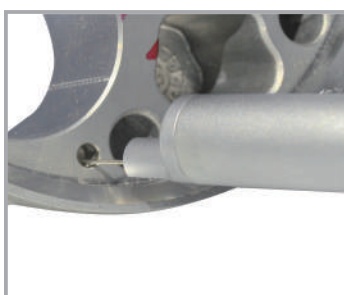
TIME S230U pickup (7mm)



TIME S231 pickup for tooth surface (120° probe)



TIME S232 pickup for small hole (ø1.33)



TIME S233 pickup for deep groove (10mm)

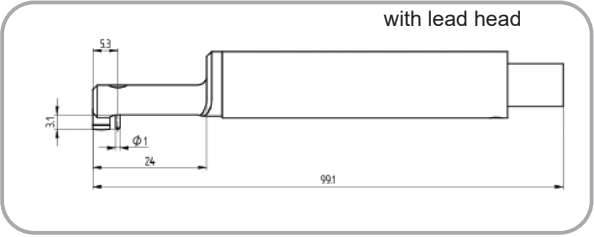


TIME S236 pickup for extra deep groove (20mm)

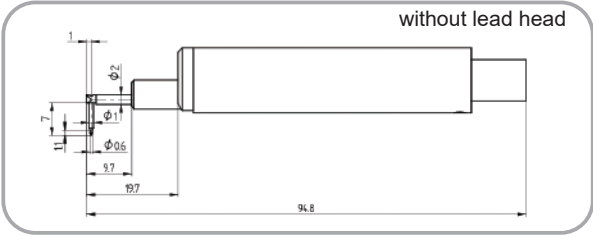


TIME S238 pickup for super deep groove (30mm)

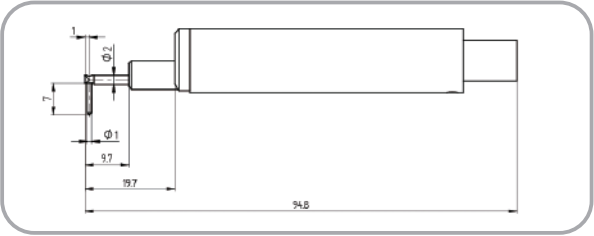
Pickup for TIME® 323X



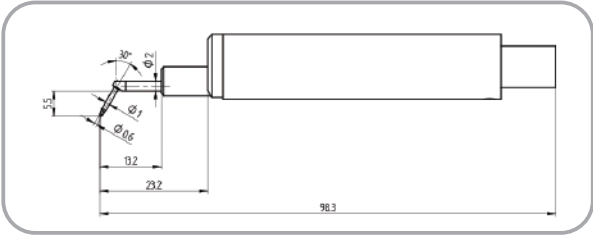
TIME S230 standard pickup



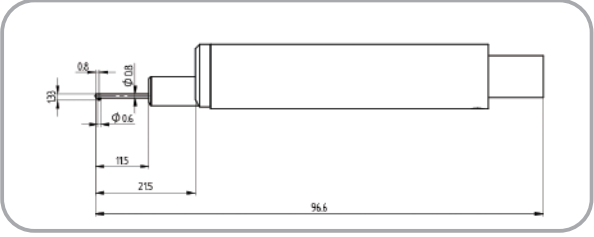
TIME S230V pickup



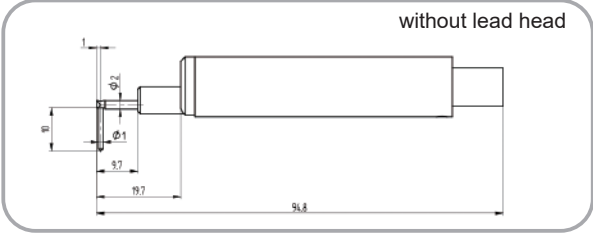
TIME S230U pickup



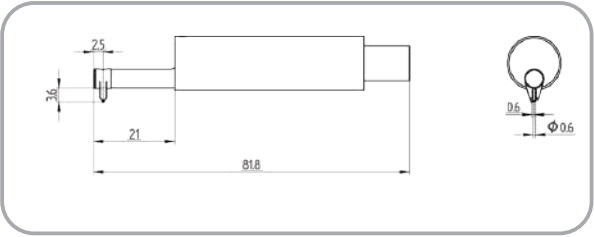
TIME S231 pickup for tooth surface



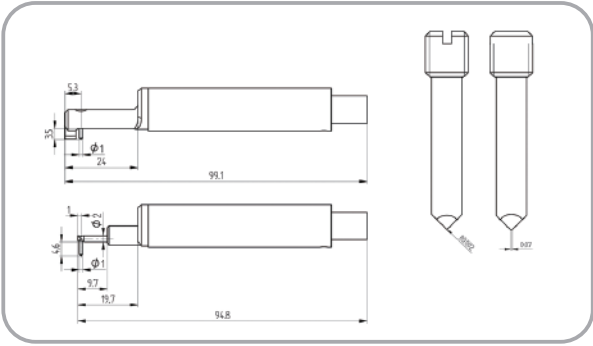
TIME S232 pickup for small hole



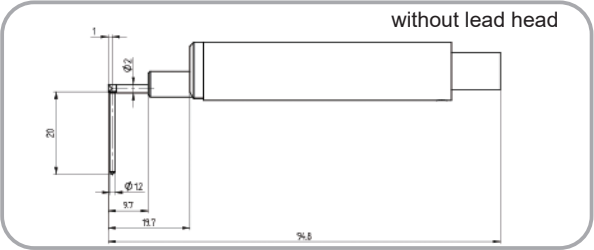
TIME S233 pickup for deep groove



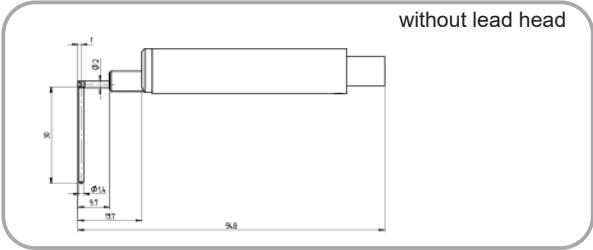
TIME S234 pickup for curved surface



TIME S235 pickup for axe-cutter



TIME S236 pickup for extra deep groove

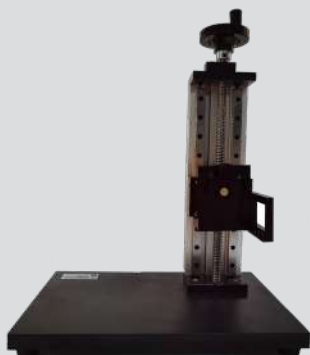


TIME S238 pickup for super deep groove

MEASURING PLATFORM

TIME[®]A202

TIME3200/TIME3202/TIME3221/TIME3234



Specifications:

Dimensions: 300mm×200mm×400mm

Y-axial range: 200mm

Rotation: -85°~+85°

Weight: 9.5kg

Features:

Small, light and easy to carry. Easy operation and suitable for various roughness testers.

TIME[®]A201

TIME3200/TIME3202/TIME3221/TIME3234



Specifications:

Dimensions: 108mm×100mm×240mm

Y-axial range: 110mm

Rotation: -5°~+2.5°

Weight: 3.3kg

TA620

TIME3200/TIME3202



Specifications:

Granite platform working surface accuracy: Class 00 (plane tolerance value 3μm)

Granite platform size: 400mm×250mm×70mm

Vertical lifting height: 300±1mm

Lifting return error: ≤1/6 turn of handwheel

Features:

Screw lifting, V-groove is set on the platform to measure small workpieces, which can improve the measurement accuracy.

TA650

TIME3231



Specifications :

Y-axial range: 300 ± 1 mm

The dimension of measuring platform: 600mm×420mm×80mm

Adjusting range of leveling table

X-axial direction: ±12.5 mm

Y-axial direction: ±12.5 mm

Rotation: 360°; fine adjustment: ±5°

Pitching: 0° ~ 5°

Applications for TIME[®] 323X

