

Features

- Using Linux operation system. High calculation accuracy, fast data processing speed and user friendly interface.
- Separated design for easy operation.
- It can measure surface roughness, waviness and primary profile, portable design, easy to carry.
- It has a wide measuring range of 1000 μ m and maximum tracing length up to 50mm.
- 5.7 inch TFT LCD screen to clearly display the evaluation curves.
- Mouse operation is supported.
- Store 10,000 groups of measuring conditions and data.
- Measurement data can be stored in U disk.
- Measurement with or without skid.
- Print measurement parameters and profile curves.
- Equipped with optional advanced analysis software.
- Interface: RS232, USB
- Power: Built-in Li rechargeable batteries/External power adapter
- Working temperature: 0 $^{\circ}$ C ~40 $^{\circ}$ C
- Dimensions(mm): Main unit: 260 $\times$ 210 $\times$ 68, Driver: 195.5 $\times$ 60 $\times$ 122
- Weight(Kg): Main unit: 1.5, Driver: 1.58
- Power adapter: Input: 100 V~240VAC, 50/60Hz
Output: 9V, 3A

Standard Delivery

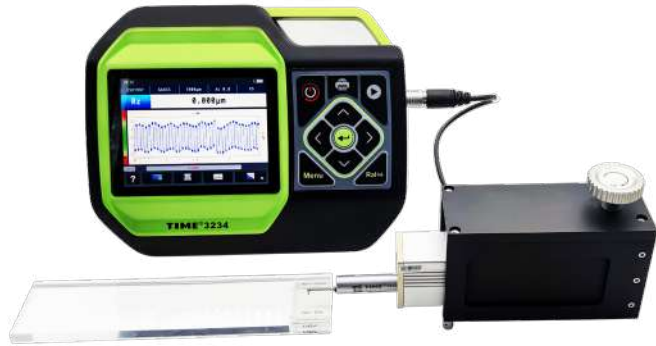
- Main unit 1
- Driver 1
- Standard pickup TIMES244 1
- Portable stand 1
- Mini USB cable 1
- Ra specimen 1
- Power Adapter 1
- User Manual 1
- TIME certificate 1
- Warranty card 1

Optional Delivery

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



TIME[®]3234 **NEW**
SURFACE WAVINESS TESTER



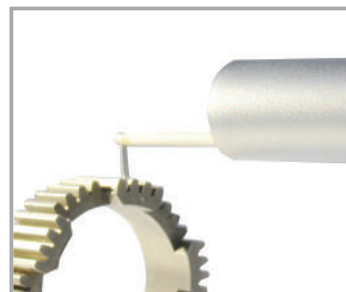
Technical Specification

Profile	R, W, P, R-Motif, W-Motif	
Measuring parameters	See the Table below	
Filter	Gauss, 2RC	
Cutoff l	0.08mm, 0.25mm, 0.8mm, 2.5mm, 5mm, 8mm, 10mm	
Evaluation length l _n	(1-5)l	
Measuring range	1000 μ m ($\pm$ 500 μ m)	
Max. resolution	0.0003 μ m	
Tracing length	50mm	
Tolerance	$\pm$ 5%(Skid), $\pm$ 10%(Skidless)	
Repeatability	1.5%(Skid), 3%(Skidless)	
Standard	Profile Curves	Parameters
ISO1997	R	Ra, Rq, Rz, Rp, Rv, Rsk, Rku, Rc, RPc*, RSm, R Δ q, Rmr*, Rmr(c)*, R δ c*, Rt, Rz1max, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, Vo
	P	Pa, Pq, Pz, Pp, Pv, Psk, Pku, Pc, PPc*, PSm, P Δ q, Pmr*, Pmr(c)*, P δ c*, Pt, Pz1max
	W	Wa, Wq, Wz, Wp, Wv, Wsk, Wku, Wc, WPc1, WSm, W Δ q, Wmr*, Wmr(c)*, W δ c*, Wt, Wz1max
JIS2001	R	Ra, Rq, Rz, Rp, Rv, Rsk, Rku, Rc, RSm, RzJIS, R Δ q, Rmr*, Rmr(c)*, R δ c*, Rt
	P	Pa, Pq, Pz, Pp, Pv, Psk, Pku, Pc, PSm, PzJIS, P Δ q, Pmr*, Pmr(c)*, P δ c*, Pt
	W	Wa, Wq, Wz, Wp, Wv, Wsk, Wku, Wc, WSm, WzJIS, W Δ q, Wmr*, Wmr(c)*, W δ c*, Wt
ANSI	R	Ra, Rq, Rz, Rp, Rv, Rsk, Rku, RPc*, RSm, R Δ a, R Δ q, Htp*, tp*, Rt, Rmax, Rpm
	W	Wa, Wq, Wz, Wp, Wv, Wsk, Wku, WPc*, WSm, W Δ a, W Δ q, Htp*, tp*, Wt, Wmax, Wpm

Pickup for TIME® 323X



TIME S230 standard pickup



TIME S230V pickup (7mm changeable diameter)



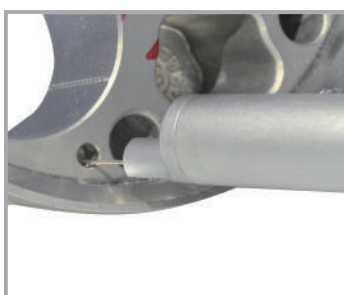
TIME S230U pickup (7mm)



TIME S231 pickup for tooth surface (120° probe)



TIME S232 pickup for small hole (ø1.33)



TIME S233 pickup for deep groove (10mm)

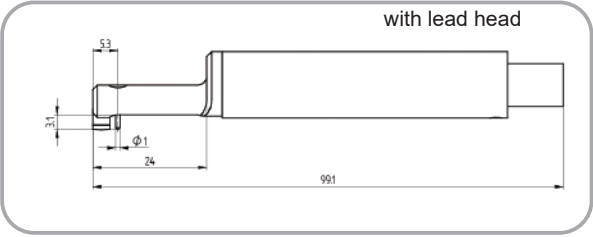


TIME S236 pickup for extra deep groove (20mm)

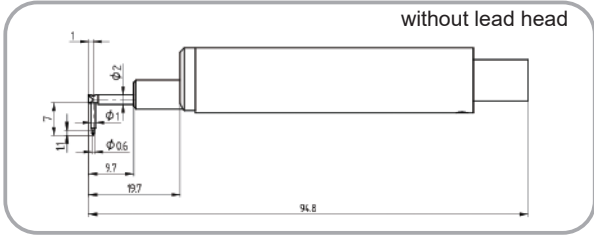


TIME S238 pickup for super deep groove (30mm)

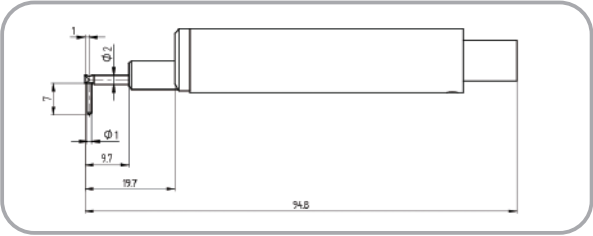
Pickup for TIME® 323X



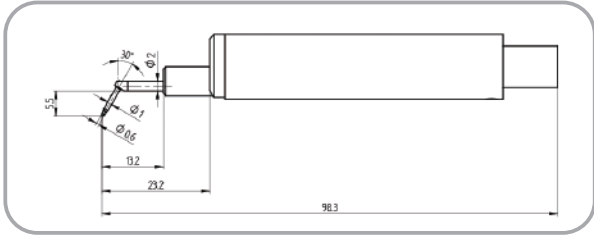
TIME S230 standard pickup



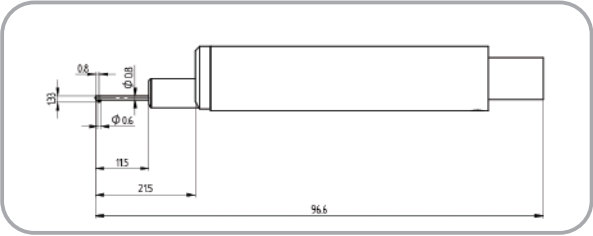
TIME S230V pickup



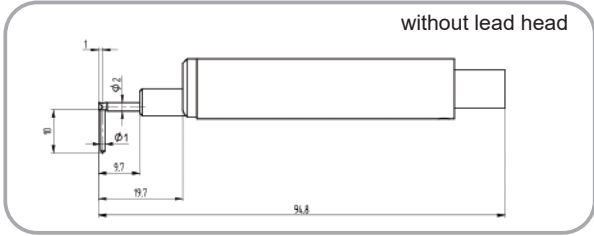
TIME S230U pickup



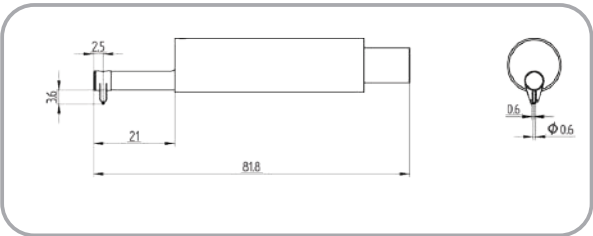
TIME S231 pickup for tooth surface



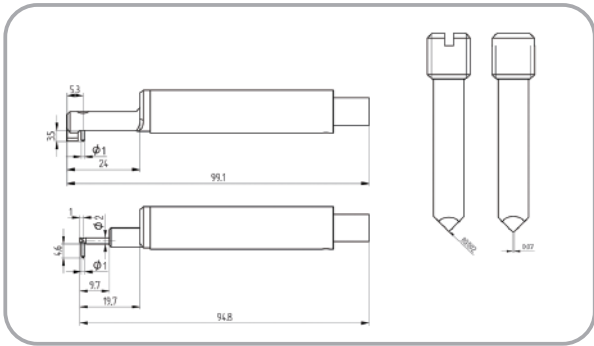
TIME S232 pickup for small hole



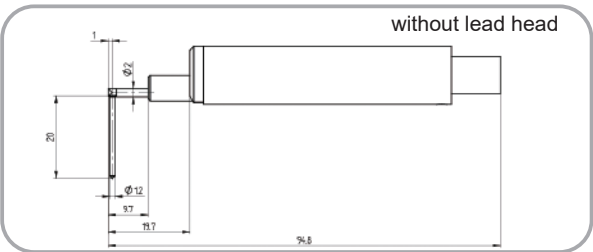
TIME S233 pickup for deep groove



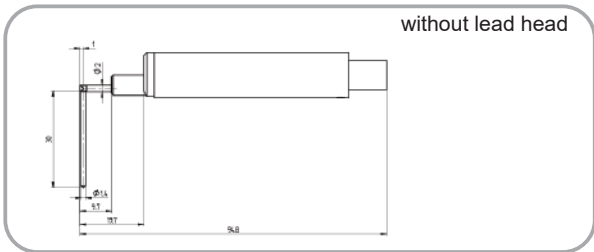
TIME S234 pickup for curved surface



TIME S235 pickup for axe-cutter



TIME S236 pickup for extra deep groove

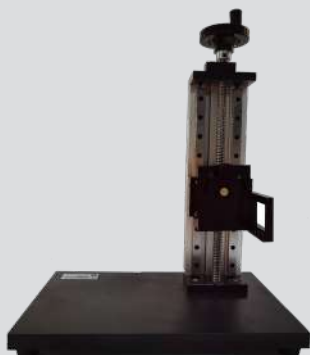


TIME S238 pickup for super deep groove

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

