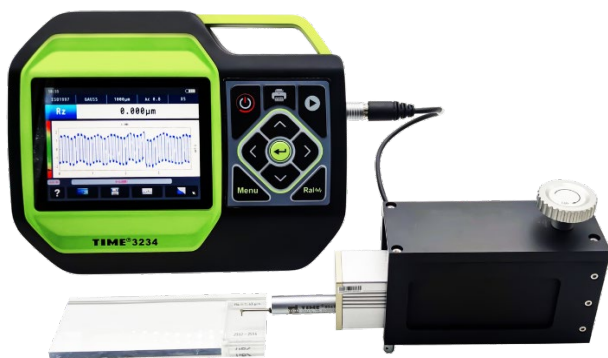




Waviness and Primary Profile Tester TIME®3234

The TIME®3234 is a portable stylus instrument for measuring surface roughness, waviness and primary profile, with a separate driver unit – suitable for workshop, laboratory and metrology center. The wide measuring range of 1000 µm with a tracing length of up to 50 mm, the 5.7-inch TFT touch screen and the fast Linux operating system enable precise and comfortable evaluation. Results are shown digitally and graphically, can be printed or analyzed on a PC with the optional software.

Features

- Separated design (driver unit) for easy operation
- Measures roughness, waviness and primary profile (R, W, P, R-Motif, W-Motif)
- Wide measuring range of 1000 µm and tracing length up to 50 mm
- 5.7-inch TFT LCD with touch screen to set measuring conditions quickly; mouse operation supported
- Linux operating system: high calculation accuracy and fast data processing
- Stores 10,000 groups of measuring conditions and data; data export to USB stick
- Measurement with or without skid
- Gauss and 2RC filters; standards ISO1997, JIS2001, ANSI and SEP1941-2012
- Prints measurement parameters and profile curves
- RS232 and USB interface; optional analysis software
- Portable: built-in Li-ion battery or external power adapter

Scope of Delivery

- Main unit
- Driver
- Standard pickup TIMES244
- Portable stand
- Mini USB cable
- Ra standard
- Power adapter
- User manual

Technical Data

Parameter	TIME®3234
Standards	ISO1997, JIS2001, ANSI, SEP1941-2012
Profiles	R, W, P, R-Motif, W-Motif
Measuring parameters	e.g. Ra, Rq, Rz, Rp, Rv, Rsk, Rku, RSm, Rt (analog W, P); more than 40 parameters per standard
Filter	Gauss, 2RC
Cut-off / evaluation length	0.08 / 0.25 / 0.8 / 2.5 / 5 / 8 / 10 mm; evaluation length (1–5) × cut-off
Measuring range	1000 µm (±500 µm); max. resolution 0.0003 µm
Tracing length	50 mm
Tolerance / repeatability	±5 % / 1.5 % (with skid); ±10 % / 3 % (skidless)
Display / memory	5.7-inch TFT LCD with touch screen; 10,000 groups of measuring conditions and data
Interface	RS232, USB
Power supply	Built-in Li-ion battery / power adapter 100–240 V AC, 50/60 Hz, output 9 V, 3 A
Operating conditions	0–40 °C, < 90 % RH; storage –25 ... 60 °C
Dimensions	Main unit 260 × 210 × 68 mm; driver 195.5 × 60 × 122 mm
Weight	Main unit 1.5 kg; driver (with portable stand) 1.58 kg
Optional accessories	PC software TIMESurf, communication cable, magnetic detachable pickup

Subject to technical changes.