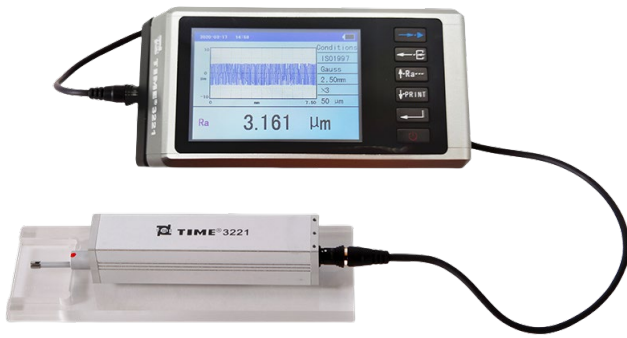


Surface Roughness Tester TIME®3221

The TIME®3221 is a high cost-effective, high-precision surface roughness tester with a separated drive unit (mini driver). Thanks to its separated design, it can be used flexibly even on hard-to-reach or curved surfaces. The wide measuring range of up to 400 µm and the touch screen with TFT display, showing all important parameters and graphs, make it a versatile tool for production and laboratory use.



Features

- Separated design with mini driver – easy and flexible to use
- Multiple measurement parameters (Ra, Rp, Rv, Rt, Rz, Rq etc., more than 40 parameters in total)
- Touch screen with TFT display showing all important parameters and graphs
- High-accuracy inductive pickup
- Filtering methods of 2RC and Gauss
- Compatible with standards ISO1997, ANSI and JIS2001
- Connectable to TIME printer TA230 to print all parameters and graphs
- RS232 and USB interface
- Auto power-off

Scope of Delivery

- Main unit
- Drive unit (mini driver)
- Standard pickup TIMES201
- Ra standard
- Power adapter
- Connection cable
- Magnetic base
- Instruction manual

Technical Data

Parameter	TIME®3221
Standard	ISO1997, ANSI, JIS2001
Test principle	Inductance type
Measurement range	400 µm (±200 µm), 50 µm (±25 µm)
Stylus tip radius	5 µm / 2 µm (optional)
Stylus tip material	Diamond
Measuring force	4 mN / 0.75 mN
Stylus tip angle	90° / 60°
Radius of skid curvature	45 mm
Maximum drive range	19 mm
Cut-off length	0.08 / 0.25 / 0.8 / 2.5 mm (selectable)
Evaluation length	1–5 L (selectable)
Resolution	0.001 / 0.008 µm (automatic); 0.001 µm (±50 µm); 0.008 µm (±200 µm)
Accuracy	≤ ±10 %
Repeatability	≤ 6 %
Power	Built-in Li battery
Power adapter	Input 100–240 V AC, 50/60 Hz; Output 9 V, 3 A
Working environment	0–40 °C, < 90 % RH
Dimensions	155.4 × 75 × 53 mm
Weight	580 g

Subject to technical changes.