



AR-132B- - Features and Benefits



- Multiple parameter measurement: Ra, Rz, Rq, Rt
- Four wave filtering methods : RC, PC-RC, GAUSS and D-P
- Built-in lithium ion rechargeable battery
- Storage 7 groups data of measurement results
- Metric /Imperial Conversion
- Use USB data output with connection PC(Optional)
- Provide Bluetooth data output choice(Optional)

OverView



The Surface Roughness Tester is widely used in production site to measure surface roughness of various machinery-processed parts, calculate corresponding parameters according to selected measuring conditions and clearly display all measurement parameters.

| | | |
|----------------------|--------------------------------------|---------------------------------------|
| Main Specifications | Measurement Range | |
| | Ra,Rq | 0.005~16.00 um / 0.020~629.9 uinch |
| | Rz,Rt | 0.020~160.0 um / 0.078~6299 uinch |
| | Accuracy | Not more than ±10% |
| | Fluctuation of display value | Not more than 6% |
| | Resolution | 0.001µm, 0.01µm, 0.1µm |
| | Probe | |
| | Radius | 5µm |
| | Material | Diamond |
| | Measurement Force | 4mN(0.4gf) |
| | Angle | 90° |
| | Vertical Radius | 48mm |
| | Maximum Driving Stroke | 17.5mm/0.7inch |
| | Cutoff Length | 0.25mm, 0.8mm, 2.5mm |
| | Driving Speed | |
| | Measuring | Sampling Length: 0.25mm Vt: 0.135mm/s |
| | | Sampling Length: 0.8mm Vt: 0.5mm/s |
| | | Sampling Length: 2.5mm Vt: 1mm/s |
| | Returning | Vt=1mm/s |
| | Profile Digital Filter | |
| Filtered Profile | RC, PC-RC, GAUSS | |
| Non-Filtered Profile | D-P | |
| Evaluation Length | 1~5L optional | |
| Data Memorize | 7 Groups | |
| Power Supply | Built-in rechargeable Li-ion battery | |
| Dimension | 140mm*52mm*48mm | |
| Weight | 420 g (Not including batteries) | |

Buying Guide

When you choose the model number of Amittari instrument, the default is standard delivery. If you need other optional accessories, please tell our customer -service worker.

The following three items are basic optional accessories choices

Standard Accessories+**USB** data output

Standard Accessories+**Bluetooth** data output

Standard Accessories

- | | |
|----------------------|------------------|
| Main Unit | Standard Sensors |
| Small Screwdriver | Carrying Case |
| Standard Boilerplate | Operation Manual |

Optional Accessories

- USB data output
- RS-232 data output
- Bluetooth™ data output