

Surface Roughness Tester

Product Description

Amittari Surface Roughness Tester adopt Computer technology, compatible with four standards of ISO, DIN, ANSI and JIS. Widely used in production site to measure surface roughness of various machinery-processed parts. Can communicate with PC computer for statistics, printing and analysing by the optional cable and the software for RS232C interface.

Product Feature

- * High accuracy inductance sensor.
- * Multiple parameter measurement: Ra, Rz.
- * With low power consumption indication.
- * Can be measured in several parts of the surface roughness: Planar, curved surface, small hole, slot of the irregular surface.
- * Design of electromechanical integration, small volume, light weight, convenient with measuring value storage function and data storage query.
- * Use DSP chip control and data processing, high speed, low power consumption LCD digital display with backlight function.
- * Use "USB data output" and "RS-232 data output" with connection PC.
- * Provide "Bluetooth data output" choice.



AR-132C

Product Parameter

Measuring Range	Ra: 0.05-10.00um/1.000-400.0uinch	
	Rz: 0.020-100.0um/0.780-4000uinch	
Accuracy	Not more than $\pm 10\%$	
Fluctuation of display value	Not more than 6%	
Resolution	0.001 μm	
	0.01 μm	
	0.1 μm	
Probe	Radius	10 μm
	Material	Diamond
	Measurement Force	16mN(1.6gf)
	Angle	90°
	Vertical Radius	48mm
	Maximum Driving Stroke	12.5mm/0.5inch
	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
Evaluation length	1~2L cut off optional (0.25mm sampling length = 1L)	

Product Accessories

Standard Accessories	Host, Small Screwdriver, Standard Boilerplate, Standard Sensors, Carrying Case, Instruction Manual.
Optional Accessories	USB Data Output, RS-232 Data Output, Bluetooth™ Data Output