

# ROUGHNESS TESTER

## MR-RT016/ MR-RT016 WITH NABL

Be compatible with the four standards of ISO, DIN, ANSI, and JIS. When measuring the roughness of a surface, the sensor is placed on the surface and then uniformly slides along the surface by driving the mechanism inside the tester.

- Multiple parameter measurement: Ra, Rz, Rq, Rt.
- Highly sophisticated inductance sensor.
- Four-wave filtering methods: RC, PC-RC, GAUSS, and DP.
- Built-in lithium-ion rechargeable battery and control circuit with high capacity.
- Small in size, light in weight, and easy to use.
- Manual or automatic shutdown.
- Can memorize 7 groups of measurement results and measuring conditions for later use or download to PC.
- Metric /Imperial Conversion.
- Use USB data output with a connection PC.
- Provide Bluetooth data output choice.



SPECIFICATION	Measuring 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		DP	
Evaluation length		1~5L optional	
Data Memorize		7 Groups	
Power Supply		Built-in rechargeable Li-ion battery	

### DELIVERY SCOPE

- 1 x MR-RT016
- 1 x Small Screwdriver
- 1 x Standard Boilerplate
- 1 x Standard Sensors
- 1 x Carrying Case
- 1 x Operation Manual
- 1 x Warranty Certificate
- 1 x NABL Calibration Certificate

- Order ID
- MR-RT016
  - MR-RT016 with NABL

