

# SURFACE ROUGHNESS TESTER

## Features :

- Very Easy to operate
- Multiple Parameter Measurement: Ra, Rz
- Highly Sophisticated inductance sensor  
Built-in lithium ion rechargeable battery and control circuit with high capacity
- Small in size, light in weight and easy to use
- Can communicate with PC computer for statistics, printing and analysing by the optional cable and the software for RS232C interface
- Manual or automatic shut down. The tester can be switched off by pressing the Power key at any time. on the other hand, the tester will power itself off about 5 minutes after the last key operation

**Equinox**™



**EQ - SRT - 6100**

## Specifications :

Display	4 Digits, 10 mm LCD, with blue backlight
Parameters	Ra, Rz
Display Range	Ra : 0.05 -10.00µm / 1.000 - 400.0µ inch Rz : 0.1-50.0µm / 1 - 2000µ inch
Accuracy	Not more than 15%
Resolution	0.001µm if reading <10µm 0.01µm if 10µm ≤ reading <100µm 0.1µm if reading ≥100µm
Operating Conditions	Temp. 0-50 °C , Humidity < 80%
Fluctuation of Display Value	Not more than 10%
Sensor	Test Principle : Inductance type
Radius of Probe Pin	10µm
Material of Probe Pin	Diamond
Measurement Force of Probe	16mN(1.6gf)
Probe Angle	90°
Vertical Radius of Guiding Head	48mm
Maximum Driving stroke	17.5mm / 0.7inch
Cutoff Length (l)	0.25mm / 0.8mm / 2.5mm optional
Evaluation Length	1~5 cut off optional
Driving Speed	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
Size	128X80X30mm
Weight	280 g



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