

Surface Roughness Tester (Ra, Rz,Rq,Rt) SRT-6210

Features:

1.Measuring Range

Ra, Rq: 0.005-16.00um/0.020-629.9uinch

Rz,Rt: 0.020-160.0um/0.780-6299uinch

2.Accuracy: $\leq \pm 10\%$

3.Fluctuation of display value: Not more than 6%

Sensor :

Test Principle: Inductance type

Radius of Probe Pin: 5um

Material of Probe Pin: Diamond

Dynamo-measurement of Probe: 4mN(0.4gf)

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: 5l

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

Profile digital filter

Filtered Profile: RC

Filtered Profile: PC-RC

Filtered Profile: Gauss

Non-Filtered Profile: D-P

Resolution : 0.001 μ m if reading $\leq$ 10 μ m

0.01 μ m if 10 μ m $\leq$ reading $\leq$ 100 μ m

0.1 μ m if reading $\geq$ 100 μ m

Evaluation length : 5 cut-off

Power Li-ion battery: rechargeable

Operating conditions: Temp. 0~50°C

Humidity <80%

Size $\approx$ 140x57x48 mm (5.5x2.2x1.9 inch)

Weight: about 420 g

Package:

Dimensions: 140 x 57 x 48mm

Gross weight:420g