

SURFACE ROUGHNESS SERIES

Application:

Widely used in production site to measure surface roughness of various machinery-processed parts, calculate corresponding and clearly display all measurement parameter.

Specifications		Model	
		SRT-6210	SRT-6200
Standard		GB/T6062,ISO4287, DIN4768, JIS B, ANSI46.1	
Measuring range	Ra	0.025~16 μm/1.000~629.9 μinch	0.050~10 μm/1.000~400.0 μinch
	Rq	0.025~16 μm/1.000~629.9 μinch	--
	Rz	0.020~160 μm/0.780~6299 μinch	0.020~100.0 μm/0.780~4000 μinch
	Rt	0.020~160 μm/0.780~6299 μinch	--
Accuracy		≤ ±10%	
Resolution		0.001 μm (Reading < 10 μm)	
		0.01 μm (10 μm ≤ Reading < 100 μm)	
		0.1 μm (Reading > 100 μm)	
Fluctuation of display value		≤ 6%	
Profile digital filter	Filtered profile	RC, PC-RC, GAUSS	--
	Non-filtered profile	D-P	--
Sensor	Radius	5 μm	10 μm
	Material	Diamond	Diamond
	Measuring force	4mN (0.4gf)	16mN (1.6gf)
	Probe angle	90°	90°
	Vertical radius of guiding head	48mm	48mm
	Maximum driving stroke	17.5mm/0.7inch	
	Cutoff length	0.25mm, 0.8mm, 2.5mm	
	Driving speed	Measuring	Vt=0.135 mm/s (Sampling Length=0.25mm)
Vt=0.5mm/s (Sampling Length=0.8mm)			
Returning		Vt=1mm/s (Sampling Length=2.5mm)	
Evaluation length	1~5L Selectable		
Metric/Imperial	Conversion		
Auto off	√		
Memory	7 Groups	--	
Pc interface	RS-232C	--	
Built in Li-ion battery		Rechargeable	
Operating condition	Temp.	0 ~ 50°C	
	Humidity	< 85% RH	
Dimension	140×52×48mm (5.5×2.2×1.9inch)		
Net weight	420g		



SRT-6210



SRT-6200



Sensor



Product Accessories

Standard Accessories	Carry Case	B09
	Main Unit	1
	Standard Sensor	1
	Standard Sample Plate	1
	Power Adapter	1
	Operation Manual	1
	Screwdriver	1
	Adjustable Leg	1
	Sensor Protector	1
	Optional Accessories	1. Cable and Software for RS-232
2. Extension Rod		
3. Measurement Support		