

NEW PRODUCT INFORMATION

Bulletin No. 1945

Column-type Surface Roughness Tester Surftest SV-2100



High precision and high performance column-mounted surface roughness tester with a dedicated control unit, achieving user-friendly display and simple operation

High precision measurement of surface roughness and texture analysis can be easily performed, in compliance with standards.

User-friendly display and simple operation

Equipped with a highly visible color 7.5-inch TFT LCD, employing a color icon display and a touch panel achieves user-friendly display and simple operation.

Easy positioning

A joystick built into the dedicated control unit allows quick and easy positioning. Fine positioning of a small stylus, required for measuring the inner side of a small hole, can be easily made using the manual knob.

Easy setting of measuring conditions for surface roughness.

Equipped with simple input function allows inputs according to drawing instruction symbols of ISO/JIS roughness standards. Troublesome measuring condition settings can be easily input by directly selecting a drawing instruction symbol for surface roughness from the menu.

Wide variety of analyses

Numerous form analyses (convex step, re-entrant step, superficial content, radius, angle coordinates, step and indication angle) are available, in addition to 43 type analysis parameters compliant with 1997 ISO and 2001 JIS surface roughness standards.

Main specifications

Model		SV-2100M4	SV-2100S4	SV-2100H4	SV-2100W4
Column Stand		Manual	Motorized	Motorized	Motorized
Order No.		178-637-01A	178-681-01A	178-683-01A	178-685-01A
Measuring range	X axis (travel)	3.94" (100 mm)			
	Z1 axis (detector unit)	32000μin, 3200μin, 320μin, (800μm, 80μm, 8μm)			
Detector unit	Highest resolution	0.004 μin/320μin (0.0001 μm/8μm)			
	Measuring force	0.75 mN			
Z2 axis (column)	Travel	13.78" (350 mm)		21.65" (550 mm)	
	Drive speed	NA	0.79" /s (20mm/s)		
X axis (drive unit)	Straightness	0.15 μm/100 mm			
	Resolution	0.05 μm			
	Drive speed	1.57" /s (40 mm/s)		1.57" /s (40 mm/s)	
	Measuring speed	0.001" ~ 0.20"/s (0.02 ~ 5 mm/s)			
	LCD Display		7.5" TFT color touch panel (with backlight)		
Operation of Drive unit		Joystick operation with manual knob			
Printer		Built in high speed thermal printer			

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