NEW PRODUCT INFORMATION

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

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Precision is our Profession

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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