NEW PRODUCT INFORMATION

Portable Surface Roughness Tester

Surftest SJ-210



The new Surftest® SJ-210 portable surface roughness tester combines high accuracy and measurement speed with numerous innovative features creating a new class leader in surface inspection.





- 2.4" color LCD display includes backlighting and over-size fonts
- Display direction can be changed to be read vertically or horizontally right and left -handed
- Color tolerance judgments, evaluation curves and all data can be displayed in one of 16 languages
- Self-timed measurement supported
- Security management supports password protected function locks

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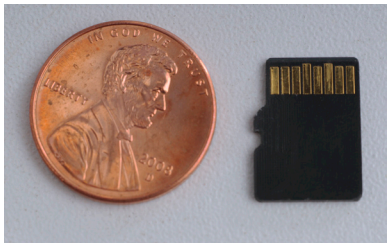
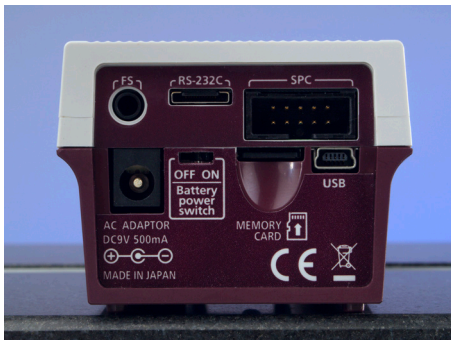


- A micro-SD card supports high-volume portable data storage - up to 10,000 results can be stored
- Screen capture to memory card also supported



- Optional footswitch can be used for touch-free measurement
- Multiple output options include RS-232C and USB for maximum versatility

Main specifications

Model No.		SJ-210
		4mN type
Order No.		178-561-02A
Measuring range	X-axis	.5 inch (17.5mm *includes pre/post travel)
	Z-axis	14200µin (-7900 µin~+6300 µin) [360 µm (-200 µm~+160 µm)]
Tracing speed	Measuring	.01, .02, .03 in/s (0.25, 0.5, 0.75 mm/s)
	Returning	.04 in/s (1 mm/s)
Detector	Stylus tip radius	200 µin (5 µm)
	Minimum range/resolution	1000 µin / .08 µin (25 µm / 0.002 µm)
	Measured profile	Primary profile (P), Roughness profile (R), DF profile, R-Motif
Display unit	Evaluation parameters	Ra, Rq, Rz, Ry, Rv, Rt, R3z, Rsk, Rku, Rc, RPc, RSm, Rmax*1 Rz1max, S, HSC, RzJIS*2, Rppi, RΔa, RΔq, Rlr, Rmr, Rmr(c), Rc, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, Vo, Rpm, tp, Htp, R, Rx, AR
	GO/NG judgement	Max. value, / 16% / standard deviation
	Sample length	.003, .01, .03, .1in (0.08, 0.25, 0.8, 2.5 mm)
	Number of sampling lengths	x1, x2, x3, x4, x5, x6, x7, x8, x9, x10, arbitrary length
	Digital filter	2CR75 / PC75 / Gaussian
	Display languages	16 languages
	Auto-sleep off function	10-600 sec (Auto-sleep not valid when AC adaptor is used.)
	Input / Output	USB, SPC, Printer output, RS-232C, Foot switch, MicroSD
	LCD specifications	2.4" color TFT with back light (320 x 240 pixels)
	Standards	JIS'82, JIS'94, JIS'01, ISO, ANSI, VDA
	Measurement result display	Vertical, horizontal (invertible), curve, graph, value
	Built-in battery (Ni-MH)	4hrs. for full charge (approx. 1000 measurements)

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