

Surftest SJ-210

Series 178 - Surftest SJ-210

The Surftest SJ-210 is a user-friendly surface roughness measurement instrument designed as a handheld tool that can be carried with you and used on-site.

- 2.4" colour graphic LCD with backlight.
- Simple key layout : The Surftest SJ-210 can be operated easily using the keys on the front of the unit and under the sliding cover.
- Advanced data storage capabilities : Up to 10 measurement conditions and one measured profile can be stored in the internal memory.
- Optional memory card : An optional memory card can be used as an extended memory to store large quantities of measured profiles and conditions.
- Complies with many industry standards : The surftest SJ-210 complies with the following standards : DIN EN ISO, VDA, JIS, ANSI and customize setting
- Displays assessed profiles and graphical data : In addition to calculation results, the Surftest SJ-210 can display sectional calculation results and assessed profiles, load curves, and amplitude distribution curves.



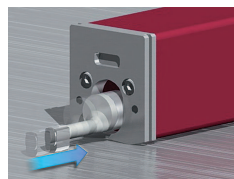
SJ-210

Metric

No.	Description	Detector measuring force	Stylus Tip angle	Stylus Tip radius
178-560-01D	SJ-210 model	0.75 mN	60°	2 µm
178-562-01D	SJ-210R model	0.75 mN	60°	2 µm
178-564-01D	SJ-210S model	0.75 mN	60°	2 µm

Inch/Metric

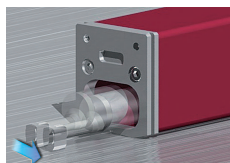
No.	Description	Detector measuring force	Stylus Tip angle	Stylus Tip radius
178-561-01D	SJ-210 model	0.75 mN	60°	2 µm
178-561-02E	SJ-210P model - UK only	4 mN	90°	5 µm
178-563-02E*	SJ-210R model - UK only	4 mN	90°	5 µm
178-565-02E*	SJ-210S model - UK only	4 mN	90°	5 µm



Standard



R-type



S-type

Specifications

Drive unit

Measuring Speed	0,25 mm/s ; 0,5 mm/s;
Speed	0,75 mm/s
Traverse	17,5 mm, S-type 5,6 mm

Detector

Measuring method	Differential inductive
Measuring range	360 µm
Stylus	Diamond Tip
Skid radius	40 mm

Display unit

Profiles	Roughness Profile (R), R-Motif, DF-Profile and more
Roughness Parameters	Ra, Rc, Ry, Rz, Rt, Rmax, Rp, Rv, R3z, Rsk, RPe, Rsm, Rz1max, S, HSC, RzJIS, Rppi, RΔa, RΔq, RLr, Rmr, Rmr(c), Rδc, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, Vo, Rpm, tp, Htp, R, Rx, AR.
Roughness standards	DIN EN ISO, VDA, JIS, ANSI and customize setting
No. of sampling length (L)	1-10
Digital Filter	Gauss, 2CR75, PC75
Cut-off length	λc : 0,08 mm, 0,25 mm, 0,8 mm, 2,5 mm
	λs : 2,5 µm, 8 µm
Tolerance	Colored upper/lower limit
Calibration	Ra calibration Average method up to 5 measurements available
Interface	USB, Digimatic, RS-232C, Foot switch
Mass	500 g



Refer to Surftest SJ-210 brochure