

Surftest SJ-210 SERIES 178 — On-site Surface Roughness Tester



SPECIFICATIONS

Model No.		Standard drive unit		Retractable drive unit		Transverse tracing drive unit	
		SJ-210 (0.75 mN type)	SJ-210 (4 mN type)	SJ-210 (0.75 mN type)	SJ-210 (4 mN type)	SJ-210 (0.75 mN type)	SJ-210 (4 mN type)
Order No.	mm	178-560-11	178-560-12	178-562-11	178-562-12	178-564-11	178-564-12
	inch/mm	178-561-11	178-561-12	178-563-11	178-563-12	178-565-11	178-565-12
Measuring range	X axis	16.0 mm				5.6 mm	
	Detector	Range		360 μm (-200 μm to +160 μm)			
		Range/Resolution		360 μm/0.0256 μm, 100 μm/0.0064 μm, 25 μm/0.0016 μm			
Measuring force/Stylus tip shape		Depends on the Order No.: 0.75 mN/2 μmR 60° (when the Order No. ends with "-11") 4 mN/5 μmR 90° (when the Order No. ends with "-12")					
Applicable standards		JIS B 0601:2001, JIS B 0601:1994, JIS B 0601:1982, VDA, ISO:1997, ANSI					
Assessed profile		Primary profile, Roughness profile, DF profile, Roughness motif profile					

Surftest SJ-310 SERIES 178 — On-site Surface Roughness Tester



SPECIFICATIONS

Model No.		Standard drive unit		Retractable drive unit		Transverse tracing drive unit	
		SJ-310 (0.75 mN type)	SJ-310 (4 mN type)	SJ-310 (0.75 mN type)	SJ-310 (4 mN type)	SJ-310 (0.75 mN type)	SJ-310 (4 mN type)
Order No.	mm	178-570-11	178-570-12	178-572-11	178-572-12	178-574-11	178-574-12
	inch/mm	178-571-11	178-571-12	178-573-11	178-573-12	178-575-11	178-575-12
Measuring range	X axis	16.0 mm				5.6 mm	
	Detector	360 μm (-200 μm to +160 μm)					
	Range/Resolution	360 μm/0.0256 μm, 100 μm/0.0064 μm, 25 μm/0.0016 μm					
Measuring force/Stylus tip shape		Depends on the Order No.: 0.75 mN/2 μmR 60° (when the Order No. ends with "-11") 4 mN/5 μmR 90° (when the Order No. ends with "-12")					
Applicable standards		JIS B 0601:2001, JIS B 0601:1994, JIS B 0601:1982, VDA, ISO:1997, ANSI					
Assessed profile		Primary profile, Roughness profile, DF profile, Roughness motif profile, Waviness motif profile					

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

Compact type all-in-one surface roughness tester has evolved by meeting customer demands

- The color LCD can display not only calculation results and measurement conditions, but also surface roughness waveforms. In addition, bigger character size contributes to visibility.
- Built-in rechargeable battery allows measurement without a mains power supply connection.



Refer to the Surftest SJ-210/310 Series Brochure (E15028) for more details.

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

Advanced handheld tester that is easy to operate and meets a variety of needs

- Equipped with a large, touch-screen color graphic LCD for intuitive operation and excellent ease of use.
- Equipped with a high-speed thermal printer (approx. 1.5 times faster than conventional models) as standard, allows for printing of BAC and ADC curves in addition to calculation results (including pass/fail judgments) and assessment profiles. The printer can also print horizontally to match the content displayed on the LCD, and has an easy-to-understand layout.



Refer to the Surftest SJ-210/310 Series Brochure (E15028) for more details.