

Mitutoyo

Surftest SJ-210R [mm]

"R2 μ m; 0,75mN; Retract-Drive"

Item number: 178-562-11D



Description

This is a portable measuring instrument that allows you to easily and accurately measure surface roughness.

The Surftest SJ-210 offers you the following benefits:

- Skid system gives you user friendly and intuitive menu navigation.
- It works independently of mains power, allowing you to make on-site measurements.
- The **6.0 cm** [2.4"] colour graphic, back-lit LCD gives you excellent readability.
- It performs roughness analyses conform to various international standards (EN ISO, VDA, ANSI, JIS) and customized settings.
- Different drivers expanding the range of applications.
- Calculation results, assessed profiles, bearing and amplitude curves can be displayed.
- Support of 21 languages.
- Operation by keys on the front and under the sliding cover.

Features

Detector measuring force:	0.75 mN
Stylus tip angle:	60°
Stylus tip radius:	2 μm
Mass:	500 g
Measuring range:	16 mm, 4.8 mm [S-type]
Traverse:	17.5 mm, 5.6 mm [S-type]
Measuring speed:	Measuring: 0.25 mm/s; 0.5 mm/s; Returning: 0.8 mm/s
Cable length:	1 m
Measuring method:	Induction method
Range:	360 μm
Stylus:	Diamond Tip
Skid radius:	40 mm
Profiles:	Primary Profile (P), Roughness Profile (R), DIN 4776

Display range:	Ra, Rq: 0.01 μm - 100 μm Ry, Rz, Rt, R3z, Rvk, Rpk, Rk, Rp: 0.02 μm - 350 μm Vo: 0 - 10 (mm ³ /cm ²) S, Sm: 2 μm - 4000 μm Pc: 2.5/cm - 5000/cm Mr 1, Mr 2: 0 - 100 % mr: 1 - 100 %
Roughness standard:	DIN, ISO, ANSI, JIS
Sampling length (L):	0.08mm, 0.25 mm, 0.8 mm, 2.5 mm
No. of sampling length (L):	x 1, x 3, x 5, x L
Digital filter:	2CR-75%, 2CR-75% (phase corrected)
Cut-off length:	lc: 0.25 mm, 0.8 mm, 2.5 mm, ls: 2.5 μm , 8 μm
Tolerance:	Upper/lower limit
Interface:	RS-232 C interface for input/output, DIGIMATIC output
Power supply:	Via AC adapter (DC 7.5 V 1.5 W) built-in or rechargeable battery
Functions:	Switchable between 16 languages: Japanese, English, German, French, Italian, Spanish, Portuguese, Czech, Polish, Hungarian, Turkish, Swedish, Dutch, Korean, Traditional Chinese, Simplified Chinese
Radius:	2 μm
Auto-sleep:	Automatic after 30 seconds
Inch-Metric:	Metric

Accessories

Optional accessories:



**Granite stand
for Surftest SJ-210 / SJ-310***
178-029
Suggested retail price: **738.00 €***



**Adapter for magnetic stand; D8mm
for Surftest SJ-210 / SJ-310**
12AAA221
Suggested retail price: **45.00 €***



**Standard drive unit 17,5 mm
for SJ-210 / SJ-310 series**
178-230-3
Suggested retail price: **669.00 €***



**Standard drive unit 17,5 mm
for SJ-210 / SJ-310 series**
178-230-3
Suggested retail price: **669.00 €***



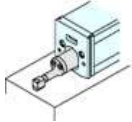
**S-type drive unit 5,6 mm
for SJ-210 / SJ-310 series**
178-233-3
Suggested retail price: **2,388.00 €***



**S-type drive unit set
for SJ-210 / SJ-310 series**
178-234-2
Suggested retail price: **2,494.00 €***



**S-type drive unit set
for SJ-210 / SJ-310 series**
178-234-3

Suggested retail price: **2,494.00 €*****R-type drive unit 17,5 mm
for SJ-210 / SJ-310 series****178-235-3**Suggested retail price: **1,295.00 €*****Extension rod length 50mm
for SJ-210 / SJ-310 series****12AAA210**Suggested retail price: **220.00 €*****Standard detector 2µm; 0,75mN
for SJ-210 / SJ-310 series****178-296**Suggested retail price: **594.00 €***

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