



Surftest SJ-310S [inch/mm]

"R5 μ m; 4mN; S-Drive"

Item number: 178-575-12E



Description

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

The Surftest SJ-310 offers you the following benefits:

- Skid system with touch-screen functionality and built-in printer.
- It works independently of mains power, allowing you to make on-site measurements.
- Easy and intuitive menu navigation.
- The large **14.5 cm** [5.7"] colour LCD gives you high visibility.
- It performs roughness analyses conform to various international standards (EN ISO, VDA, ANSI, JIS) and customized settings.
- You can store up to 10 different measuring conditions inside the SJ-310, and up to 500 with an optional SD card.
- Statistical analysis and coloured tolerance judgement.
- 2 different evaluation conditions within 1 measurement adjustable.
- You can separately password protect many functions.
- It comes with support for 16 languages.

Specification

Stylus tip radius:	5 μm
Cable length:	1 m
Measuring method:	Induction method
Stylus:	Diamond Tip
Skid radius:	40 mm
Measuring force:	0.75 mN
Interface:	RS-232 C interface for input/output, DIGIMATIC output, Compact flash card
Profiles:	Primary Profile (P), Roughness Profile (R), DIN 4776, MOTIF
Display range:	Ra, Rq: 0.01 μm - 100 μm Ry, Rz, Rt, Rv, R3z, Rk, Rpk, Rvk, R, Rp, Rx, AR, W, Wx, Wte: 0.02 μm - 350 μm S, Sm: 2 μm - 4000 μm HSC, Pc: 2.5/cm - 5000/cm; Ppi: 6.35 - 12700/inch dc: - 350 μm - + 350 μm Lo: 0.1 mm - 99999 mm mr, Mr 1, Mr 2: 0 - 100 % A1, A2: 0 - 15000
Roughness standard:	DIN, ISO, ANSI, JIS
Sampling length (L):	0.08 mm, 0.25 mm, 0.8 mm, 2.5 mm, 8 mm or input
No. of sampling length (L):	x 1, x 3, x 5, x L
Digital filter:	2RC-75%, 2RC-75% (phase corrected), Gauss -50%

Cut-off length:	lc: 0.08 mm, 0.25 mm, 0.8 mm, 2.5 mm, 8 mm, ls: 2.5 µm, 8 µm, 25 µm
Printer:	Thermal Printer (Printing width: 48 mm)
Statistics:	Max/Min,Average value, Standard deviation (s), Pass Ratio, Frequency Distribution Table
Tolerance:	Upper/lower limit values for three parameters
Auto-sleep:	Automatic after 5 minutes
Inch-Metric:	Inch/Metric

Accessories

Optional accessories:



Extension rod length 50mm for SJ-210 / SJ-310 series

List Price
126.00 ex. VAT



Height adjustment feet for Surftest SJ-210 / SJ-310

List Price
80.30 ex. VAT



Nosepiece for flat surfaces for SJ-210 / SJ-310 series

List Price
80.30 ex. VAT



Nosepiece for cylinder for SJ-210 / SJ-310 series

List Price
80.30 ex. VAT



Adapter for vertical position for Surftest SJ-210 / SJ-310

List Price
25.70 ex. VAT



Adapter for magnetic stand; D8mm for Surftest SJ-210 / SJ-310

List Price
28.90 ex. VAT



Height gauge adaptor [mm] for Surftest SJ-210 / SJ-310

List Price
54.90 ex. VAT



Connection cable for extension 1 m for Surftest SJ-210

List Price
12BAA303



List Price
58.20 ex. VAT



**Granite stand
for Surftest SJ-210 / SJ-310***
178-029
List Price
1,190.00 ex. VAT



**Device for cylindrical workpieces
for Surftest SJ-210 / SJ-310**
178-033
List Price
2,130.00 ex. VAT