



## Surftest SJ-310S [inch/mm]

"R2 $\mu$ m; 0,75mN; S-Drive"

Item number: 178-575-11E



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

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

## Accessories

### Optional accessories:



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

**12AAA210**  
List Price  
**126.00** ex. VAT



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

**12AAA216**  
List Price  
**80.30** ex. VAT



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

**12AAA217**  
List Price  
**80.30** ex. VAT



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

**12AAA218**  
List Price  
**80.30** ex. VAT



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

**12AAA219**  
List Price  
**25.70** ex. VAT



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

**12AAA221**  
List Price  
**28.90** ex. VAT



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

**12AAA222**  
List Price  
**54.90** ex. VAT



#### Connection cable for extension 1 m for Surftest SJ-210

**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

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