

Surftest SJ-310R [mm] "R2µm; 0,75mN; Retract-Drive"

Item number: 178-572-11D



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.

Features

| | |
|---------------------------|---|
| Detector measuring force: | 0.75 mN |
| Stylus tip angle: | 60° |
| Stylus tip radius: | 2 µm |
| Mass: | 1.7 kg |
| 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 μ m - 4000 μ m
 HSC, Pc: 2.5/cm - 5000/cm;
 Ppi: 6.35 - 12700/inch
 dc: - 350 μ m - + 350 μ m
 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 μ m, 8 μ m, 25 μ m

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:

Metric

Accessories

Optional accessories:



**Granite stand
 for SurfTest SJ-210 / SJ-310***
 178-029



**Adapter for magnetic stand; D8mm
 for SurfTest SJ-210 / SJ-310**
 12AAA221



**Standard drive unit 17,5 mm
 for SJ-210 / SJ-310 series**
 178-230-3



**S-type drive unit 5,6 mm
 for SJ-210 / SJ-310 series**
 178-233-3



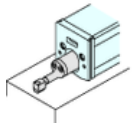
**S-type drive unit set
 for SJ-210 / SJ-310 series**
 178-234-3



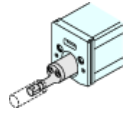
**R-type drive unit 17,5 mm
 for SJ-210 / SJ-310 series**
 178-235-3



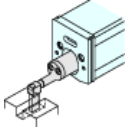
**Extension rod length 50mm
 for SJ-210 / SJ-310 series**
 12AAA210



Standard detector 2 μ m; 0,75mN
for SJ-210 / SJ-310 series
178-296



Detector small holes D4,5; 2 μ m; 0,75mN
for SJ-210 / SJ-310 series
178-383



Detector deep groove 2 μ m; 0,75mN
for SJ-210 / SJ-310 series
178-385