

Surftest SJ-310 [mm]

"R2µm; 0,75mN"

Item number: 178-570-11D



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 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: EN ISO, VDA, ANSI, JIS
 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: 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



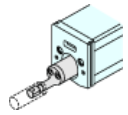
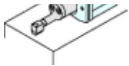
**R-type drive unit 17,5 mm
 for SJ-210 / SJ-310 series**
 178-235-3



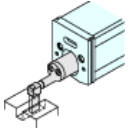
**Extension rod length 50mm
 for SJ-210 / SJ-310 series**
 12AAA210



**Standard detector 2 μm ; 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