

Surftest SJ-411 [inch/mm] "R2 μ m; 0.75mN; X=25mm" Item number: 178-581-11E



Description

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

The Surftest SJ-410 offers you the following benefits:

- Skidless 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.
- The skidless detector allows you to measure the primary profile (P), roughness profile (R), waviness profile (W) and more.
- Surface compensation of curved, radial and tilted surfaces.
- 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-410, and up to 500 with an optional SD card.
- It allows two different evaluation conditions within one measurement adjustable.
- You can separately password protect many functions.
- It comes with support for 16 languages.
- Available options include an auto-set unit, X-axis fine adjustment and digital levelling unit.

Specification

Detector measuring force:	0.75 mN
Stylus tip angle:	60°
Stylus tip radius:	2 μm
Traverse:	SJ-411: 25 mm SJ-412: 50 mm
Measuring speed:	0.05 mm/s; 0.1 mm/s; 0.2 mm/s; 0.5 mm/s; 1 mm/s
Measuring method:	Skidless - Differential inductance
Range:	800 μm; 80 μm; 8 μm (up to 2,4 mm with an optional stylus)
Positioning:	\pm1.5° (tilting), 10 mm (up/down)
Profiles:	Primary Profile (P), Roughness Profile (R), Waviness (W), MOTIF (R, W) and more
Standard:	EN ISO, VDA, JIS, ANSI and customize settings
Analysis graphs:	BAC, ADC
Digital filter:	Gauss, 2CR75, PC75

Cut-off length:	λ_c : 0.08 mm; 0.25 mm; 0.8 mm; 2.5 mm; 8 mm λ_s : 2.5 μm ; 8 μm ; 25 μm
Printer:	Thermal Printer
Tolerance:	Coloured upper / lower limit
Interface:	USB, Digimatic, RS-232C, Foot switch
Power supply:	AC adapter or rechargeable battery
Functions:	Surftest SJ-411 Traverse : 25 mm Traverse straightness : 0.3 μm / 25 mm
Inch-Metric:	Inch/Metric

Accessories

Optional accessories:



**Granite stand
for SJ-410**
178-039



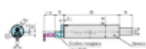
**Autaset Unit
for SJ-410**
178-010



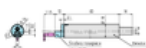
**X-Axis Adjustment Unit
for SJ-410**
178-020



**Digital Leveling Unit
for SJ-410**
178-030



**Detector
0,75mN**
178-396-2



**Detector
4mN**
178-397-2



**Extension rod
50mm**
12AAG202



**Extension rod
100mm**
12AAG203



Roughness specimen Ra 1 μm [mm]
Ra 1 μm
178-605



Step gauge
(1, 2, 5, 10) μ m
178-610

Spare parts

Consumable spares:



Nosepiece skidless type
12AAB355



Touch pen
for Surfctest SJ-310/410/500, SV-2100
12BAG834



Touch Panel Protecting Sheet
12BAL402



Replacement battery
for Surfctest SJ-310 / SJ-410
12AAN046



Printer paper
5 rolls, for SJ-301
270732