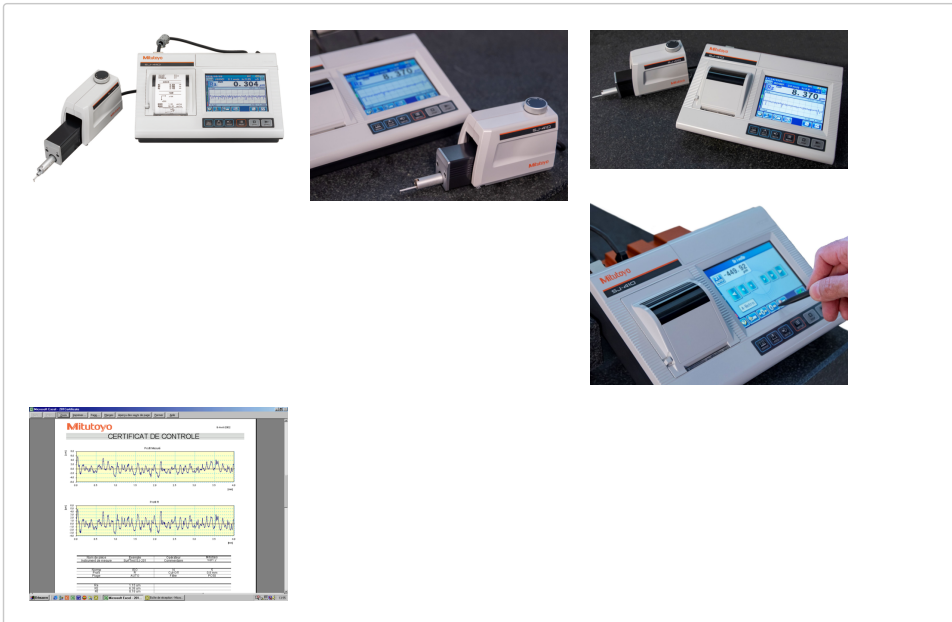




Surftest SJ-411 [inch/mm]

"R5 μ m; 4mN; X=25mm"

Item number: 178-581-12E



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:	5 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:

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**Granite stand
for SJ-410**
178-039
List Price
515.00 ex. VAT



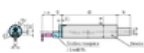
**Autaset Unit
for SJ-410**
178-010
List Price
2,280.00 ex. VAT



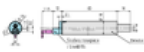
**X-Axis Adjustment Unit
for SJ-410**
178-020
List Price
1,180.00 ex. VAT



**Digital Leveling Unit
for SJ-410**
178-030
List Price
1,800.00 ex. VAT



**Detector
0,75mN**
178-396-2
List Price
694.00 ex. VAT



**Detector
4mN**
178-397-2
List Price
694.00 ex. VAT



**Extension rod
50mm**
12AAG202
List Price
330.00 ex. VAT



**Extension rod
100mm**
12AAG203
List Price
411.00 ex. VAT








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

	List Price 455.00 ex. VAT
	Step gauge (1, 2, 5, 10)µm 178-610 List Price 470.00 ex. VAT

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Spare parts

Consumable spares:	
	Nosepiece skidless type 12AAB355
	Touch pen for Surftest SJ-310/410/500, SV-2100 12BAG834
	Touch Panel Protecting Sheet 12BAL402
	Replacement battery for Surftest SJ-310 / SJ-410 12AAN046
	Printer paper 5 rolls, for SJ-301 270732