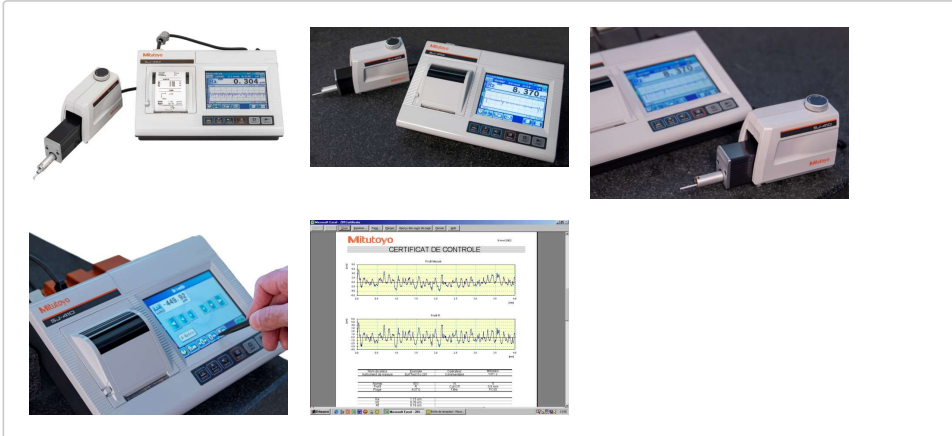


Mitutoyo

Surfrest SJ-411 [mm]

"R2 μ m; 0.75mN; X=25mm"

Item number: 178-580-11D



Description

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

The Surfrest 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.

Features

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, 0.1, 0.5, 1 mm/s
Measuring method:	Skidless / skidded
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
No. of sampling length (L):	x 1, x 3, x 5, x L* (* = oder jeder beliebige Wert)
Cut-off length:	λc : 0.08 mm; 0.25 mm; 0.8 mm; 2.5 mm; 8 mm λs : 2.5 μm; 8 μm; 25 μm
Printer:	Thermal Printer
Tolerance:	Coloured upper / lower limit

Interface:	USB, Digimatic, RS-232C, Foot switch
Power supply:	Via AC adapter, rechargeable battery
Functions:	Surfetest SJ-411 Traverse : 25 mm Traverse straightness : 0.3 μm / 25 mm

Accessories

Optional accessories:



Granite stand for SJ-410 178-039

Suggested retail price: 732.00 €*



Autoset Unit for SJ-410 178-010

Suggested retail price: 2,370.00 €*



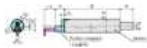
X-Axis Adjustment Unit for SJ-410 178-020

Suggested retail price: 1,220.00 €*



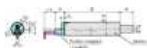
Digital Leveling Unit for SJ-410 178-030

Suggested retail price: 1,800.00 €*



Detector 0,75mN 178-396-2

Suggested retail price: 933.00 €*



Detector 4mN 178-397-2

Suggested retail price: 933.00 €*



Extension rod 50mm 12AAG202

Suggested retail price: 394.00 €*



Extension rod 100mm 12AAG203

Suggested retail price: 454.00 €*



Roughness specimen Ra 1 μm Ra 1 μm 178-605

Suggested retail price: 800.00 €*

















Step gauge (1, 2, 5, 10) μm 178-610

Suggested retail price: 626.00 €*



Step gauge, mm (2, 10) μm 178-611

	Suggested retail price: 467.00 €*
	Precision vise 178-019 Suggested retail price: 660.00 €*
	Digital XY leveling table [mm] Leveling range +/- 1,5°; 25 x 25mm 178-042-1 Suggested retail price: 3,440.00 €*
	XY leveling table [mm] Leveling range +/- 1,5°; 25 x 25mm 178-043-1 Suggested retail price: 2,690.00 €*
	Digital three-axis adjustment table 178-047 Price on application
	Leveling table D.A.T 178-048 Price on application
	Cylinder attachment Ø15-60mm 12AAB358 Suggested retail price: 239.00 €*
	Desktop vibration isolator pump type with max loading mass 120kg 178-093-1 Suggested retail price: 1,770.00 €*
 Promotion!	U-WAVE-T Connection Cable D Flat 10-Pin Type 02AZD790D Promo price: 49.90 €* Suggested retail price: 88.80 €*
	USB cable for SJ-310 / SJ-410 series 12AAD510 Suggested retail price: 73.00 €*
	Digimatic Cable, Flat 10-Pin Type 1m 936937 Suggested retail price: 50.00 €*
	Digimatic Cable, Flat 10-Pin Type 2m 965014 Suggested retail price: 64.00 €*
	RS-232C Signal Cable D-Sub9-D-Sub9, 2m, for MUX-10F and Surfrest SJ 12AAA882D Suggested retail price: 42.00 €*
	Memory card 2GB for SJ-210 12AAW452

Suggested retail price: **93.00 €*****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