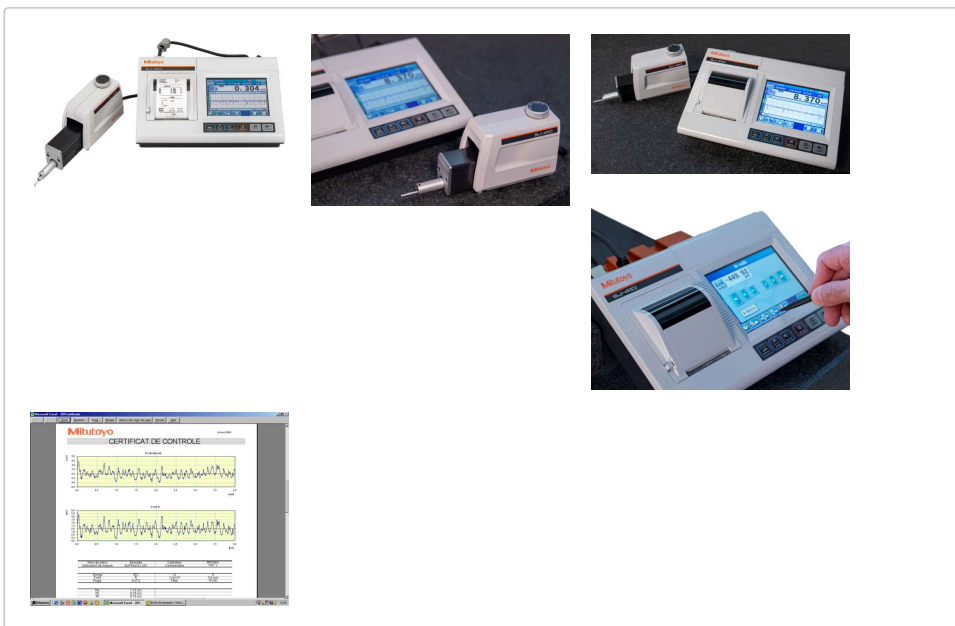




## Surftest SJ-412 [mm]

"R2 $\mu$ m; 0.75mN; X=50mm"

Item number: 178-582-11D



### 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.

### Features

Detector measuring force:	<b>0.75 mN</b>
Stylus tip angle:	<b>60°</b>
Stylus tip radius:	<b>2 <math>\mu</math>m</b>
Traverse:	<b>SJ-411: 25 mm SJ-412: 50 mm</b>
Measuring speed:	<b>0.05, 0.1, 0.5, 1 mm/s</b>
Measuring method:	<b>Skidless / skidded</b>
Range:	<b>800 <math>\mu</math>m; 80 <math>\mu</math>m; 8 <math>\mu</math>m (up to 2,4 mm with an optional stylus)</b>
Positioning:	<b><math>\pm 1.5^\circ</math> (tilting), 10 mm (up/down)</b>
Profiles:	<b>Primary Profile (P), Roughness Profile (R), Waviness (W), MOTIF (R, W) and more</b>
Standard:	<b>EN ISO, VDA, JIS, ANSI and customize settings</b>
Analysis graphs:	<b>BAC, ADC</b>
Digital filter:	<b>Gauss, 2CR75, PC75</b>
No. of sampling length (L):	<b>x 1, x 3, x 5, x L* (* = oder jeder beliebige</b>

Cut-off length:	Wert) $\lambda_c$ : 0.08 mm; 0.25 mm; 0.8 mm; 2.5 mm; 8 mm $\lambda_s$ : 2.5 $\mu\text{m}$ ; 8 $\mu\text{m}$ ; 25 $\mu\text{m}$
Printer:	Thermal Printer
Tolerance:	Coloured upper / lower limit
Interface:	USB, Digimatic, RS-232C, Foot switch
Power supply:	Via AC adapter, rechargeable battery
Functions:	Surftest SJ-412 Traverse : 50 mm Traverse straightness : 0.5 $\mu\text{m}$ / 50 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

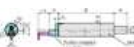
Suggested retail price: 1,800.00 €\*



#### 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 $\mu\text{m}$ [mm] Ra 1 $\mu\text{m}$















178-605



Suggested retail price: 800.00 €\*








#### Step gauge (1, 2, 5, 10) $\mu\text{m}$

178-610

	Suggested retail price: <b>626.00 €*</b>
	<b>Step gauge, mm</b> <b>(2, 10)µm</b> <b>178-611</b> Suggested retail price: <b>467.00 €*</b>
	<b>Precision vise</b> <b>178-019</b> Suggested retail price: <b>660.00 €*</b>
	<b>Digital XY leveling table [mm]</b> <b>Leveling range +/- 1,5°; 25 x 25mm</b> <b>178-042-1</b> Suggested retail price: <b>3,440.00 €*</b>
	<b>XY leveling table [mm]</b> <b>Leveling range +/- 1,5°; 25 x 25mm</b> <b>178-043-1</b> Suggested retail price: <b>2,690.00 €*</b>
	<b>Digital three-axis adjustment table</b> <b>178-047</b> Price on application
	<b>Leveling table D.A.T</b> <b>178-048</b> Price on application
	<b>Cylinder attachment Ø15-60mm</b> <b>12AAB358</b> Suggested retail price: <b>239.00 €*</b>
	<b>Desktop vibration isolator pump type</b> <b>with max loading mass 120kg</b> <b>178-093-1</b> Suggested retail price: <b>1,770.00 €*</b>
	<b>U-WAVE-T Connection Cable D</b> <b>Flat 10-Pin Type</b> <b>02AZD790D</b> <b>Promo price: 49.90 €*</b> Suggested retail price: <del>88.00 €*</del>
	<b>USB cable for SJ-310 / SJ-410 series</b> <b>12AAD510</b> Suggested retail price: <b>73.00 €*</b>
	<b>Digimatic Cable, Flat 10-Pin Type</b> <b>1m</b> <b>936937</b> Suggested retail price: <b>50.00 €*</b>
	<b>Digimatic Cable, Flat 10-Pin Type</b> <b>2m</b> <b>965014</b> Suggested retail price: <b>64.00 €*</b>
	<b>RS-232C Signal Cable</b> <b>D-Sub9-D-Sub9, 2m, for MUX-10F and Surftest SJ</b> <b>12AAA882D</b>

	Suggested retail price: <b>42.00 €*</b>
	<b>Memory card 2GB for SJ-210 12AAW452</b> Suggested retail price: <b>93.00 €*</b>

## Spare parts

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