

Mitutoyo**Surftest surface roughness measuring tool, Type: SJ411****Order data**

Order number	499219 SJ411
GTIN	
Item class	44D

Description**Version:**

Transportable cordless reference level system with dust-protected, touch-sensitive operating screen, and integral printer.

- **Very easy intuitive menu-guided controls with clear presentation of measured results and profiles on a 5.7 inch colour display.**
- **Optional measuring with free scanning system or scanning rail.**
- **Measurement of roughness, ripple and primary profile.**
- **Statistics function and colour-coded tolerance evaluation.**
- **Large number of internationally recognised parameters to DIN EN ISO, VDA, JIS, ANSI, and MOTIF, and 16 integral languages.**
- **Phase correction Gauss filter to DIN EN ISO 16610-21 (supersedes DIN EN ISO 11562).**
- **Compensation function for radii and inclinations.**
- **DAT function: Digital inclination wizard for aligning the feed unit position.**
- **Two different calculations can be performed based on just a single measurement.**
- **Quick output and documentation of measurement results, graphics and measurement conditions on the integral printer.**
- **Easy archiving of measured data on an SD memory card.**
- **The calibration values can be saved and recalled using five different buttons.**

Application:

- **Measurement of deep slots.**
- **Measurement with probe facing upwards.**
- **Cylinder measurement with a support foot.**
- **Measuring the surface roughness of cylinders transversely to the cylinder's axis.**
- **Measurement with measuring stand and levelling table.**

Supplied with:

Including feed unit with standard contact point, 5 rolls of thermal paper No. 499050, mains adapter, calibration standard, user manual, and storage case.

Optional extras:

Standard probe No. 499221, measuring stand No. 499415, pack of paper rolls (5 pieces) No. 499050.

Note:

Free-of-charge analysis software available on request. **Only available in Germany and Austria!**

Calibration: Q2

maximum measuring range: 800 / 80 / 8 μm

graphic representation: Measurement profile, BAC curve, ADC curve

Measurement travel for longitudinal sensing: 25 (straightness 0.3 μm) mm

Cut-off (λ_c): 0.08; 0.25; 0.8; 2.5; 8; 25 mm

Scanning speed: 0.05; 0.1; 0.2; 0.5; 1 mm/s

Gauging force: 0.75 mN

Technical description

maximum measuring range	800 / 80 / 8 μm
Gauging force	0.75 mN
Measurement travel for longitudinal sensing	25 (straightness 0.3 μm) mm
recorded profiles	Primary, roughness, ripple profiles; roughness and ripple motif
Scanning speed	0.05; 0.1; 0.2; 0.5; 1 mm/s
graphic representation	Measurement profile, BAC curve, ADC curve
Power supply	Mains operated
Contact point radius	2 μm
Cut-off (λ_c)	0.08; 0.25; 0.8; 2.5; 8; 25 mm
Interface	Digimatic interface
Interface	USB interface
Calibration	Q2
Calibration	Q2
Type of product	Surface roughness measuring device

Services

Calibration Roughness standard	018800
Labelling laser-etched Type	018940
Calibration Surface roughness measuring tool	011460
Calibration Surface roughness measuring tool Type R	029200 R
Calibration Roughness standard Type R	029220 R

Accessories

Adapter for SJ210 / SJ310	499418
Granite stand with T-slot	499415
Standard probe insert for SJ-411	499221
Thermal paper roll set 5 pieces	499050