ᐁ Hoffmann Group

Mitutoyo

Surface roughness measuring device, Type: SJ411

Order data

Order number	409021 SJ411
GTIN	
Item class	44D

Description

Description:
This is a portable measuring device for easy and precise measurement of surface roughness.
The Surftest SJ-410 offers you the following advantages:
· **Portable reference level scanning system with LCD touch screen and integral printer.**
· **The large 14.5-cm [5.7-inch] LCD colour display offers outstanding legibility even under unfavourable lighting conditions.**
· **reference level scanning system for measuring the primary profile (P), roughness (R), waviness (W) and more.**
· **Simple & intuitive menu navigation.**
· **Surface compensation for radii and inclinations.**
· **Satisfies industrial standards such as DIN EN ISO, VDA, ANSI, JIS and customer-specific settings.**
· **Ten different measurement conditions can be saved in the SJ-411/412. A further 500 can be saved in an optional SD card.**
· **Statistics function and colour-coded tolerance evaluation.**
· **Two different evaluation conditions applied to one measurement.**
· **Each function can be separately protected with a password.**
· **16 languages supported.**
· **Optional: Autoset unit, X-axis fine adjustment and digital levelling unit.**
Feature:
· **Maximum measuring range is 25 millimetres.**
· **Functions: Measuring range of X-axis: 25 mm Straightness: 0.3 µm / 25 mm**
· **Measuring force of the probe system is 0.75 mN.**
· **The probe tip angle is 60°.**

· **The probe tip radius is 2 μm.**
· **Measurement method: Without a rail or with a rail**
· **The measuring ranges are 800 μm; 80 μm and 8 μm (up to 2.4 mm with optional probe element).**
· **Alignment: ±1.5° (inclination), 10 mm (height adjustment)**
· **Profile: Primary profile (P), roughness profile (R), waviness (W), R-motif, W-motif and more**
· **Analysis graphic: BAC, ADC**
· **Digital filters: Gauß, 2CR75, PC75**
· **Printer: Thermal printer**
· **Tolerance: Coloured display of upper/lower tolerance limit**
· **Standards: DIN EN ISO, VDA, JIS, ANSI and user-defined conditions**
· **Interface: USB, Digimatic, RS-232C, foot switch**
· **Power supply: Via power supply unit, rechargeable battery**
· **Weight: 2.8 kilogrammes**