

Mitutoyo
Surface roughness measuring tool SJ310, Type: SJ310

Order data

Order number	499207 SJ310
GTIN	4946368848945
Item class	44D

Description
Version:

Transportable cordless rail system for determining surface roughness. Gauge force 0.75 mN to DIN/ISO. Separate feed unit for measurements in very small spaces and for attachment to stands. Phase correction Gauss filter to DIN EN ISO 16610-21 (supersedes DIN EN ISO 11562). Automatic protection of the probe during transport. Auto-calibration function and integral memory for measurement conditions.

- **Very easy intuitive menu-guided controls with clear presentation of measured results and profiles on a 5.7 inch colour display.**
- **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.**
- **Two different calculations can be performed based on just a single measurement.**
- **Measurements where access is difficult or overhead can be performed using the separate feed unit.**
- **Automatic calibration function / mean value calibration can be performed with up to 12 multiple measurements.**
- **Saving of up to 10 measurement conditions.**
- **Quick output and documentation of measurement results, graphics and measurement conditions on the integral printer.**
- **Individual password protection.**
- **Easy archiving of measured data on an SD memory card.**

Supplied with:

Feed unit with contact point, mains adapter, calibration standard, and carrying case.
5 rolls thermal paper No. 499050, 1 pair of support legs No. 499220 size FUSS, rail for flat and cylindrical components No. 499220 size Z-KUFE, mains adapter, and user manual,.

Optional extras:

Transmitter and probe for small bores (from 2.5 mm) No. 499210, rail for flat and cylindrical components No. 499220 size Z-KUFE, support legs (2 pieces) No. 499220 size FUSS, adapter for clamping in height gauge No. 499220 size H-ADAPT, granite measurement stand No. 499415, data cable No. 498430, printer No. 498701.

Attention:

German version. Order free UK adapter plug No. 08 1174_GB.

Note:

Free-of-charge analysis software, further adapters, and probes available on request.

Technical description

Roughness standards	DIN EN ISO, VDA, ANSI, JIS, MOTIF
Scanning speed	0.25; 0.5; 0.75; 1.0; mm/s
maximum measuring range	360 µm
Measurement travel for longitudinal sensing	16 mm
Power supply	Mains operated
Cut-off (λ_c)	0.08; 0.25; 0.8; 2.5; 8 mm
graphic representation	Measurement profile, BAC curve, ADC curve
integral printer	yes
Interface	RS232C interface
Interface	USB interface
Calibration	Q1
Calibration	Q2
Type of product	Surface roughness measuring device

Services

CalibrationSurface roughness measuring tool Type R	029200 R
CalibrationRoughness standard Type R	029220 R

Accessories

Thermal paper roll set5 pieces	499050
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Granite stand with T-slot	499415
Connecting cable Type USB2	498430 USB2
Connecting cable Type D2	498430 D2
Sensor / probe head Type 6/60	499210 6/60
Optional extras Type Z-KUFE	499220 Z-KUFE
Optional extras Type FUSS	499220 FUSS
Sensor / probe head Type 2,5	499210 2,5
Optional extras Type H-ADAPT	499220 H-ADAPT
Connecting cable Type D1	498430 D1