TWIN-SURF

- INSTRUMENT
  - Ultra-compact, portable and robust
  - High contrast display for comfortable reading in dark environments
  - 3 buttons on top of the product for easy instrument configuration
  - Interchangeable probes
- AUTONOMY
  - Can be operated with power supply or battery
- MEASUREMENT
  - Suitable for use in production environments or for incoming inspection
  - Access to narrow and deep areas thanks to the 100 mm probe extension (optional)
  - 90° probe orientation for cross-sectional measurements
- FUNCTIONS (with DATA-STUDIO, basic version)
  - R-profile display
  - 13 roughness parameters available
  - 10 measurements usable for statistical processing
  - Storage of 10 measurement programs
  - Each parameter can be individually activated
  - Tolerancing possible for each parameter
- DATA MANAGEMENT
  - Standard version connectable to a computer via cable
  - Bluetooth® version wirelessly connectable to a computer, tablet or smartphone
  - Free TESA DATA-STUDIO software (basic version) included for creating measurement reports, statistical management, measurement parameters,...



06930014

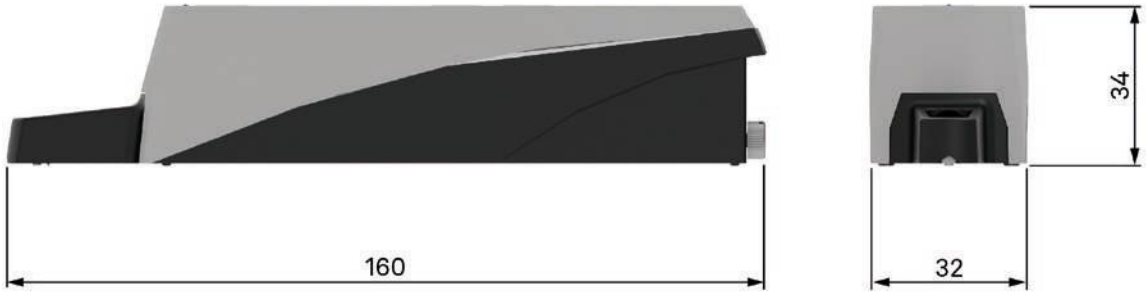
Article number	Designation
06930014	TWIN-SURF roughness gauge
06930015	TWIN-SURF roughness gauge, Bluetooth® version

Accessories

Article number	Designation
06960092	SB21 probe, for TWIN-SURF, for groove of depth < 5 mm
06960093	SB31 probe, for TWIN-SURF, for bores Ø > 4 mm, depth < 20 mm
06960094	SB51 probe, for TWIN-SURF, for concave surfaces or 90° measurement, for groove of depth < 5 mm
06960095	SB121 probe, for TWIN-SURF, for groove of depth < 20 mm
06960096	Extension for TWIN-SURF, 100 mm
04760152	USB A to USB C cable, 1 m
06960090	Bluetooth® printer
06960091	DATA-STUDIO software

Roughness gauges

Standard	ISO 3274, ISO 4287, ISO 12085
Measuring range	Z: ±200 µm X: 17,5 mm
Range of indication	Ra = 0 ÷ 50 µm Rt = 0,05 ÷ 200 µm
Max. perm. errors	R = roughness in µm 0,05 µm + (5% R)
Resolution	0,001 µm / .01 µin
Material	Stylus tip: diamond
Dimensions	Housing: 160 x 34 x 34 mm Screen: 128 x 64 pixels Tip: R2 µm, 90°
Degree of protection	Keyboard: IP67
Display	OLED, monochrome
Weight	200 g
Data output(s)	USB C
Measuring force	0,75 mN
Units	mm / in
Roughness parameters	Available with the TWIN-SURF used in conjunction with the following TESA DATA-STUDIO versions: Basic version: According to ISO 4287: Ra, Rq, Rt, Rz, Rc, Rmax, RSm, RPc According to ISO 12085: Pt, R, AR, Rx, PPc Premium version: According to ISO 12085: Rke, Rpke, Rvke, A1e, A2e, Mr1e, Mr2e According to ISO 4287: Rp, Rv, Rsk, Rku, RΔq, RΔa, Rmr rel, Rδc, Rmr(c) Pa, Pq, Pp, Pv, Pt, Pc, RPc, R3z Psk, Pku, PSm, PΔq, Pmr rel, Pδc, Pmr(c) Rk, Rpk, Rvk, A1, A2, Mr1, Mr2 and all the parameters of the basic version
Graphic(s)	With DATA-STUDIO version: Basic: R-profile Premium: P-profile, Rk-profile
Cut-off	Number: 1 - 5 Lengths: 0,25 - 0,8 - 2,5 mm (ISO 4287) 1,5 - 2,5 - 4 - 8 - 12 - 16 mm (ISO 12085)
Memory	Measurements with parameters: < 18'000 (evaluation length: 0,8 x 5 mm) Measurements with profile and graph: < 30
Probe displacement speed	0,5 or 1 mm/s
Delay before measurement	0 to 10 s
Included in delivery	1x TWIN-SURF 1x probe SB51 1x standard, Ra = 2,97 µm 1x positioning pin Ø 8 mm 1x key for protection management 1x charger and EU/US adapter 1x USB A-C cable DATA-STUDIO software (basic version) Measuring report Declaration of conformity

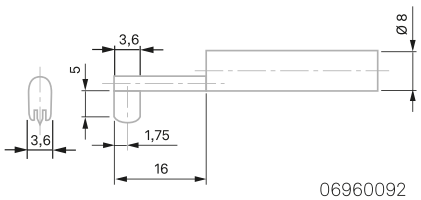


Probes and extension for TWIN-SURF

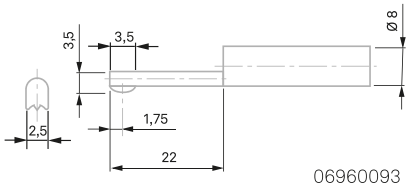




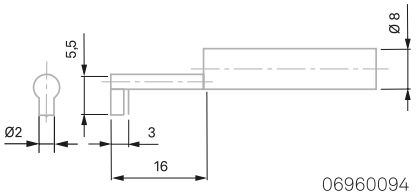
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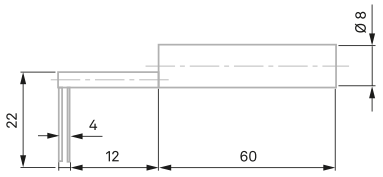
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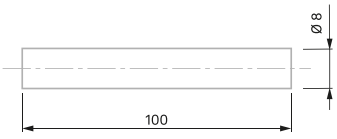
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