

TESA RUGOSURF 20



Surface Roughness Testing

World first at Control 2011

THE NEW ROUGHNESS TESTER ADAPTED FOR EVERY WORKSHOP

- COMPACT • ROBUST • EASY-TO-USE
- X-AXIS: 16 MM – Z-AXIS: 400 μ M
- 15 ROUGHNESS PARAMETERS WITH TOLERANCES
- PORTABLE PRINTER OR USB CONNECTION TO PC
- WIDE RANGE OF STANDARD ACCESSORIES
- BUILT-IN MEMORY



- 4 PROTECTED OPERATING KEYS
- MEASUREMENT WITH SKIDS
- INTEGRATED BATTERY
- PRECISION TO ISO 3274

ISO 9001



EXCEPTIONALLY ROBUST

Dependable, powerful drive unit located in a light alloy basis. The interchangeable probe is inductive, therefore not subject to wear. Also fitted with a dedicated diamond stylus tip that can withstand any test.

Designed for various applications using the accessories included in the delivery scope for use with any universal support having a 8 mm diameter. Adjustable measuring height up to 35 mm, without the need for an additional support.



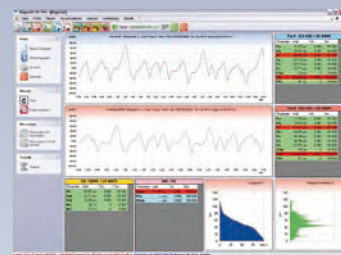
Technical Data to Rugosurf 20

Order number	06930013
Display	Black & White LCD Display, 2" (160x100 pixels)
Roughness parameters	As per ISO 4287-1997/JIS B0601/ASME B46-2002: Ra - Rq - Rt - Rz - Rc - Rsm - Rmr - Pt - Pmr As per DIN 4768: Rmax As per EN 10049: R _{Pc} - P _{Pc} As per ISO 12085 (CNOMO): R - Rx - AR
Measuring spans	X-axis = 16 mm / Z-axis = 400 µm
Measurement units	mm / inch
Range of indication	Ra 0 ÷ 100 µm, Rt 0,05 ÷ 400 µm
Resolution	0,001 µm
Cut-off lengths	0,25-0,8-2,5 mm
Probing speed	1 mm/s
Number of cut-offs	1 to 5
Precision	ISO 3274, Class 1
Keypad	4 protected buttons
Stylus tip	R = 5 µm, 90° (optionally 2 µm, 60°)
Measuring force	0,75 mN (ISO 3274)
Languages	English, French, German, Italian, Spanish, Portuguese, Chinese
Memory capacity	20 Measurements with additional graphics or >1000 measurements with roughness parameters
Power supply	7,2 V integrated battery, 300 mAh, NiMH PP3
Battery life	~ 1000 measurements
Overall dimensions	122 x 60 x 62 mm
Weight	650 g
Delivery scope	Roughness standard, Ra = 2,97 µm (117 µin) Clamping shaft for the 8 mm dia. universal support Positioning holders Standard SB10 probe Rechargeable battery (already mounted) Charger, 220/110 V

Rugosoft, release 3.0

No. 06960034

Software for storing and printing out the measurement results, but also for saving any graphical representations. Can also be run for the control of all setting and measurement operations.



USB/Mini USB Cable

No. 04760099

Portable Printer

No. 06960033

Battery-powered matrix printer directly connected to used gauge from the Rugosurf family. Capable of outputting all measurement results according to the selected print format, with or without graphics.



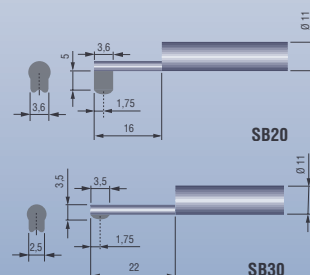
Optional Probes

SB20 No. 06960037

Probe for deep grooves up to 5 mm.

SB30 No. 06960038

Probe for bores with diameters from 4 mm.



*Additional accessories and probes available.
(See the Product Info or our general catalogue for details.)*