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	TESA RUGOSURF 20 portable surface roughness tester for use in the workshop Z = $\pm 200 \mu\text{m}$ ($\pm 0.0079 \text{ in}$) X = 16 mm (0.63 in)
	Measuring span, μm 400 μm (0.0157 in) on Z axis, 16 mm (0.63 in) on X axis
	Indication span, μm Ra = 0 ÷ 100 μm ; Rt = 0,05 ÷ 400 μm
	Accuracy class in accordance with ISO 3274 Class 1
	Measuring force, N 0,75 mN in accordance with ISO 3274
	Resolution, μm 0,001 μm
	Display LCD 2" black/white (160 x 100 pixels)
	Roughness parameters DIN / ISO / JIS / ASME: Ra, Rq, Rt, Rc, RSm, RPc Rmr, Rz, Rmax PPc, Pmr MOTIF ISO 12085 (CNOMO): Pt, R, Rx, AR
	Graphics Bearing Area Curve (BAC), Amplitude Distribution Curve (ADC), Profile-R
	Cut-off lenght, mm 0,25 – 0,80 – 2,50 mm (0.010 – 0.030 – 0.100 in)
	Number of cut-off 1 to 5
	Stylus diamond tip (R = μm ; angle °) R = 5 μm , 90°
	Memory capacity max 1000 measurements with parameters; max 20 measurements with profile and graphics
	Dimensions, mm 122 x 60 x 62 mm
	Degree of protection for keyboard (IP XX) IP67 (membrane keyboard)
	Digital data output (USB) USB cable connector to PC
	Weight, g 650 g
	Included in delivery RUGOSURF 20 SB10 standard skid probe Roughness standard Ra = 2,97 μm Positioning pin Ø 8 mm for use vertically Detachable probe protector Integral rechargeable battery Charger and adapter EU/US User manual Plastic carrying and storage case
	Measuring response time 1 to 10 s
	Probing speed, mm/s 1 mm/s (2 mm/s probe retract to measuring position)
	Units mm or inch
	Power supply 100 ÷ 240 VAC; 50 ÷ 60 Hz; 12 V, 400 ÷ 650 mAh

