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		TESA RUGOSURF 90G portable table roughness tester Z = ± 500 µm (± 0.0197 in) X = 50 mm (1.968 in) probe with detachable skid
	Measuring span, µm	Z Axis = 1000 µm (39370 µin); X Axis = 50 mm (1.969 in)
	Indication span, µm	Ra = 0 ÷ 400 µm; Rt = 0 ÷ 1000 µm
	Precision class	In accordance with ISO 3274 Class 1
	Measuring force, N	0,75 mN according to ISO 3274
	Resolution, µm	0,001 µm (0.01 µin)
	Display	Tactile graphic colour screen TFT 3.5" (320 x 240 pixels)
	Roughness parameters	DIN / ISO / JIS / ASME: Ra, Rq, Rt, Rp, Rc, Rv, RSm, Rδc, RPc Pa, Pq, Pt, Pp, Pc, Pv, PSm, Pδc, PPc Wa, Wq, Wt, Wp, Wc, Wv, WSm, Wδc, WPC Rmr, Rz, Rmax, Rsk, Rku, Wz Rk, Rpk, Rvk, Mr1, Mr2 DB N 31007: R3z, R3zm MOTIF ISO 12085 (CNOMO): Pt, R, Rx, AR, Wte, W, AW, Wx, Rke, Rpke, Rvke, Pdc, PPc, Mr1e, Mr2e
	Graphics	Profil-W, Profil-R, Profil-P, Bearing area curve
	Cut-off length, mm	0,08 – 0,25 – 0,80 – 2,50 – 8,00 mm
	Number of cut-off	1 to 19 for cut off up to 2,5 mm; 1 to 5 for cut off of 8,00 mm
	Diamond or stylus tip (R = µm; angle °)	R = 5 µm, 90°
	Memory capacity	Max. 60'000 measurements with parameters
	Dimensions (mm)	270 x 140 x 90 mm
	Degree of protection of keyboard (IP XX)	IP67 (membrane keyboard)
	Digital output (USB)	USB cable connector to PC
	Weight, kg	3 kg
	Included in delivery	<ul style="list-style-type: none"> – RUGOSURF 90G – Roughness standard Ra = 2,97 µm – Standard probe SB60/10 with or without skid – Probe holder – Guiding column, vertical setting range 90 mm – Integrated rechargeable battery, 12 V – Charger for battery
	Measuring response time	–
	Probing speed, mm/s	0,5 mm/s or 1,0 mm/s selection options
	Units	mm or inch
	Power supply	100 ÷ 240 VAC / 50 ÷ 60 Hz; 18 V, 2,2 Ah

