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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	48 parameters: Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsm, Rdc, R _{Pc} , Pa, Pq, Pt, Pp, Pc, Pv, Psm, R _{Pc} , P _{Pc} , Wa, Wq, Wt, Wz, Wp, Wv, Wc, WSm, Wdc, W _{Pc} , Rk, Rpk, Pvk, Mr1, Mr2, Pt, R, Rx, AR, Wte, W, AW, Wx, Rke, R _{pke} , R _{vke} , Rmax, R3z, R3zm
	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

