

ROUGHNESS TESTER

Description of Roughness Tester 5 or 50 nm:

Light and compact, these two roughness testers are portable or fixed.
Their use is very simple and the results can be edited on PC.

Models	Roughness tester 50 nm	Roughness tester re 5 nm 0.005-16 µm
Measuring range:		0.005-16 µm
Ra :	0.050-10 µm	0.020-160 µm
Rq :	0.050-16 µm	0.020-160 µm
Rz :	0.020-100.0 µm	< 10 %
Rt :	0.020-160 µm	0.001 µm (lecture < 10 µm)
Accuracy:	< 10 %	0.01 µm (10 µm < Lecture < 100 µm)
Resolution:	0.001 µm (lecture < 10 µm)	0.1 µm (lecture > 100 µm)
	0.01 µm (10 µm < Lecture < 100 µm)	LCD
	0.1 µm (lecture > 100 µm)	< 6 %
Display:	LCD	RC, PC, RC, GAUSS
Fluctuation of display value:	< 6 %	D-P
Profile digital filter:		5 µm
Filter contour:	RC, PC, RC, GAUSS	Diamond
Non-filter contour:	D-P	4 mN (0.49 gf)
Sensor:		90 °
Radius	10 µm	48 mm
Material	Diamond	17.5 mm
Measuring force	16 mN (1.6 gf)	0.25 mm, 0.8 mm, 2.5 mm
Probe angle	90 °	Vt=0.135 mm/s (sampling length =0.25
Vertical radius of guiding head:	48 mm	mm)
Maximum driving stroke:	17.5 mm	Vt=0.5mm/s (sampling length =0.8 mm)
Sampling length:	0.25 mm, 0.8 mm, 2.5 mm	Vt=1 mm/s (sampling length =2.5 mm).
Driving speed:	Vt=0.135 mm/s (sampling length=0.25 mm)	Vt=1 mm/s
When measuring:	Vt=0.5 mm/s (sampling length =0.8 mm)	+ - 80 µm
	Vt=1 mm/s (sampling length =2.5 mm)	RS-232C
	Vt=1 mm/s	7 groups
	+ - 80 µm	
Return :	RS-232C	0-50 °C
Probe measuring range :	7 groups	< 85 % RH
PC Interface :		4x1.5 V
Memory function :	0-50 °C	145x65x27 mm
Working environment :	< 85 % RH	220 g (batteries not included)
Temperature :	4x1.5 V	
Humidity :	145x65x27 mm	
Power supply :	220 g (batteries not included)	
Dimension :		
Net weight :		



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