

HST310 Surface Roughness Tester



Main Features

1. Automatic shutdown function and low power design of software and hardware of the instrument with long working hours, suitable for field use.
2. The surface roughness of metal and non-metallic.
3. Pocket-size & economically price
4. Large measuring range suitable for most materials
5. Optimized electric circuit design with transducer structure-design, high integrate power.
6. It could test ex-circle, flat surface, conical surface and also test groove larger than 80*30mm.

Technical Parameters

	HST300	HST310
Testing parameters	Ra, Rz	Ra, Rz, Rq, Rt
Measuring range (um)	Ra: 0.05-15.0 Rz: 0.1-50.0	Ra, Rq: 0.05-15.0 Rz, Rt : 0.1-50.0
Sample length (mm)	0.25, 0.80, 2.50	
Evaluation length(mm)	1.25, 4.0, 5.0	
Stroke length (mm)	6	
Indication accuracy	0.01	
Indication error	±(7-10)%	
Variability	<12%	
Power	Rechargeable li-battery	
Stylus static force:	≤ 0.016N	
Force measuring	≤ 800N/m	
Working temperature	-20℃～40℃	
Relative humidity	<90%	
Weight of Host	200g	
Size	106mmx70mmx24mm	



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