



VERTEX

DIGITAL SURFACE ROUGHNESS TESTER SRT - 210



APPLICATION:

- AEROSPACE
- AUTOMOBILE
- AUTOMIC CENTER
- DEFENCE INDUSTRIES
- AIRFORCE
- HEAVY INDUSTRIES

FEATURES:

- Shows the pressure of the stylish
- Shows all the parameters of all conversions
- High repeatability and accuracy

SPECIFICATION:

Detection principle	inductive
Measuring range	320 μm
Needle tip radius	5 μm
Needle tip material	diamond
Measured force	$\leq 4\text{mN}$
Needle stylus Angle	90°
Leader longitudinal Radius	45 mm
Maximum drive travel	≤ 17.5 mm
Measuring range	Ra, Rq: 0.005 μm ~ 32 μm ; Rz, Ry, Rt, Rp, Rm: 0.02 μm ~ 320 μm ; Rsm, Rs: 1mm; Rmr: 0 ~100%;
Accuracy	0.001 μm
Value error	$\leq \pm 8\%$
Value Variability	$\leq 5\%$
Power supply	Built-in lithium-ion rechargeable battery/ external power adapter
Data output	Bluetooth/USB
Parameter Measurement	Ra. Rq. Rz. Rt. Rp. Rv. RS. RSm. Rsk. Rku. RPc. Ry. Rmax. R3z
Sample length	0.25mm, 0.80mm, 2.50mm
Evaluation length	1L~5L optional (L is the sample length)
Overall size	156mm x 55mm x 46.5 mm
Instrument weight	≤ 398 g
Work environment	Temperature: -20°C~ 40°C; Relative humidity: < 90%, no vibration, no corrosive medium around
Optional accessories	Curved surface sensors, small hole sensors, groove sensors, deep groove sensors, extension rods, Bluetooth printers, measuring platforms

