

SHT-170 Technical data:

- 1.Measured parameters (μm) :Ra、 Rz、 Rq、 Rt
- 2.Measuring range (μm) :Ra、 Rq: 0.05 ~ 10.0;Rz、 Rt: 0.1 ~ 50
- 3.Sampling length (mm) :0.25 , 0.80 , 2.50
- 4.Evaluation length (mm) :1.25 , 4.0 , 5.0
- 5.Stroke length (mm) :6
- 6.Readout Accuracy :0.01
- 7.Indication error: \pm (7-10) %
- 8.Indicator variability: $< 12\%$
- 9.Sensor contact radius and Angle of tip arc:
tip arc radius: $10 \mu\text{m} \pm 1 \mu\text{m}$
- 10.Sensor stylus static force and rate of change:
stylus static force: $\leq 0.016\text{N}$ Rate of force change: $\leq 800\text{N/m}$
- 11.Sensor head pressure: $\leq 0.5\text{N}$
- 12.Battery :3.7V lithium ion battery
- 13.Size:106 mm \times 70 mm \times 24 mm
- 14.Weight:200g
- 15.Working environment conditions:
Temperature: $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Relative humidity: $< 90\%$ no vibration or corrosive medium