

Specifications:

Parameters: Ra, Rz

Measuring Range:

**** Ra: 0.05-10.00um/1.000-400.0uinch

**** Rz: 0.020-100.0um/0.780-4000uinch

Accuracy: Not more than 10%

Fluctuation of display value: Not more than 6%

Sensor :

**** Test Principle: Inductance type

**** Radius of Probe Pin: 10um

**** Material of Probe Pin: Diamond

**** Measurement Force of Probe: 16mN(1.6gf)

**** Probe Angle: 90°

**** Vertical Radius of Guiding Head: 48mm

Maximum driving stroke: 17.5mm/0.7inch

Cutoff length (l): 0.25mm / 0.8mm / 2.5mm optional

Evaluation length: 1~5 cut off optional

Driving speed:

**** sampling length = 0.25mm Vt=0.135mm/s

**** sampling length = 0.8mm Vt=0.5mm/s

**** sampling length = 2.5mm Vt=1mm/s

**** returning Vt=1mm/s

Resolution :

**** 0.001μm if reading <10μm

**** 0.01μm if 10μm=reading<100μm

**** 0.1μm if reading =100μm

Evaluation length : 5 cut-off

Display: 4 digits, 10mm LCD, with blue backlight

Power Li-ion battery: rechargeable

Operating conditions:

**** Temp. 0~50°C

**** Humidity <80%

Package:

Dimensions: 140 x 57 x 48mm

Gross weight:420g