



# SURFACE ROUGHNESS TESTER ART100



[www.capitalinstrument.com](http://www.capitalinstrument.com)

## Features

- Pocket-size & economically price
- Large measuring range suitable for most materials
- Measures flat, outer cylinder and sloping surface
- Ra Rz,Rq, Rt parameters in one instrument
- Features external calibration at keyboard
- Standard conform to ISO and DIN
- Rechargeable batteries, work while charging
- ART100 is equipped with Li-ion battery and OLED backlight
- DPS processor adopted to improve the calculation efficiency

## Standard delivery

- Main unit
- Protection cover for pickup
- Specimen Ra
- Charger
- Instruction manual
- Warranty card

## Optional accessories

- Various Ra specimen with Ra values: 0.1 μ m, 0.2 μ m, 0.4 μ m, 0.8 μ m, 3.2 μ m

## TECHNICAL SPECIFICATIONS

Model	ART100	Model	ART100
Roughness parameter	Ra,Rz,Rq,Rt	Radius and angle of the stylus point	Diamond, Radius : 10 ± 2.5 μ
Tracing length	6mm	Operating temperature	Angle: 90° (+5° or -10° )
Tracing speed	1.0mm/sec	Relative humidity	0-40 °C
Cut-off lengths	0.25mm/0.8mm/2.5mm	Storing temperature	<90%
Evaluation length	1.25mm/4.0mm	Power supply	-25 °C ~ 40 °C
Measuring range	Ra: 0.05-10.0 μ Rz: 0.1-50 μ	Backlight	3.7V Li-ion battery
Accuracy	± 15%	Charger	Yes
Repeatability	<12%	Dimensions (L × W × H)	DC6V, 3 hours (recharging time)
Filter	RC analogue	Weight	110 × 70 × 24mm
Pick-up	Piezoelectric		200g