

## Surface Roughness Tester TIME3110 (TR110)



- *Meet roughness standard: ISO*
- *Handheld & digital*
- *Extremely easy to use*
- *Economical solution for QC*

### Specifications:

Measures shapes:	flat, outer cylinder and sloping surfaces
Measures materials:	metal and non-metal processing parts
Roughness parameters:	Ra, Rz
Grooves and recessions:	greater than 3.1"×1.2" (80×30 mm)
Display resolution:	0.01 $\mu\text{m}$ /0.4 $\mu\text{inch}$
Measuring accuracy:	$\leq\pm 15\%$
Measuring range:	Ra 0.05-10 $\mu\text{m}$ , Rz 0.1-50 $\mu\text{m}$
Maximum drive range:	0.23 in (6.0 mm)
Cut-off length:	0.009/0.03/0.09 inch (0.25/0.8/2.5 mm)
Tracing speed:	1.0 mm/s
Sensor:	piezoelectric type
Sensor-stylus:	radius 5 $\mu\text{m}$ , 90° angle
Filter:	RC
Operating temperature:	32 °F-104 °F (0 °C-40 °C)
Relative humidity:	<80%
Weight:	0.4 lb (200 g)
Dimensions:	110×70×24 mm
Power:	3.6 V Li-ion rechargeable battery