

## R130/R135



# R130 Surface Roughness tester



## Features

The R130/R135 is a portable, battery-powered instrument for checking surface roughness, with the measured values displayed on a digital readout display. The instrument can be used in laboratory, inspection area, workshop, or wherever on-site surface roughness testing is required

- Pocket-sized and economically priced!
- External and internal finish testing with swivable tracer
- Ra and Rz parameters in one instrument and all available after each individual test
- Standard 9V battery
- Auto-off after 2 minuter
- Standard cut-off 0.8mm, adjustable to 1-3-5 times
- Piëzo-electric pick-up stylus for external surfaces with diamond tip of 2 micron according to the latest ISO standards
- R-135 with data output

## Technical specification

Measuring ranges	Ra: 0.03 $\mu$ m ~ 6.35 $\mu$ m (1 $\mu$ " ~ 250 $\mu$ " ), Rz: 0.2 $\mu$ m ~ 25.3 $\mu$ m (8 $\mu$ " ~ 999 $\mu$ " )
Display resolution	0.01 $\mu$ m / 1 $\mu$ "
Cut-off	0.25mm / 0.001", 2RC filter, select 1-3-5 times
	0.8mm / 0.03", 2RC filter, select 1-3-5 times
	2.5mm / 0.01", 2RC filter, select 1 time
Display	3-digit LCD
Accuracy	Meets ISO and DIN standards
Probe Type	Piezoelectric
Maximum stylus force	15.0mN / 1500mgf
Stylus tip radius	Diamond, 2 micron
Power	9-volt alkaline battery
Battery capacity	Approx. 3000 measurements
Output	RS-232 to pc or printer (only R-135)

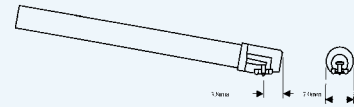


# R135 Surface Roughness tester

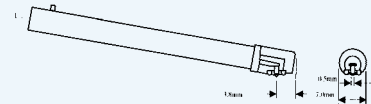


## Pick-ups

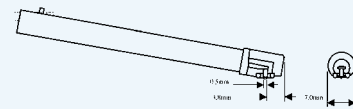
Standard probe for most applications



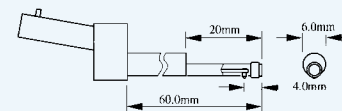
Transverse chisel probe for gaging sharp edges or small O.D., aligned to axis of traverse



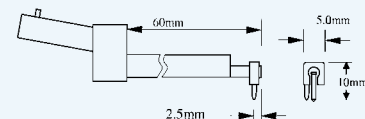
Parallel chisel probe for gaging sharp edges or small O.D., perpendicular for axis of traverse



Small bore probe, minimum inside diameter 5.0mm, up to depth of 15.0mm



Groove bottom probe for measuring the bottoms of O-ring grooves, recesses and holes up to 6.0mm depth



## Standard delivery

- Instrument
- Protection cover
- Roughness test plate Ra
- Battery 9V standard
- Carrying case
- Manual
- RS-232 (only R-135)
- INNOVATEST® certificate

## Optional accessories

- Tracers for special applications
- UKAS certified reference standards
- Stand for stable testing
- Mini-printer (R130/4200) with printer cable
- Databale to MS-Hyperterminal

## Order details

**R-130** Surface roughness tester  
**R-135** Surface roughness tester with data output

Represented by:

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