

DATA
OUTPUT

CAN BE CONTROLLED
BY COMPUTER

ROUGHNESS TESTER CODE ISR-C002



- 21 roughness parameters
- Display roughness value, profile and curve
- Memory of maximum 100 results
- Automatic power off

software (included)

A screenshot of the DataView software interface showing a graph of a roughness profile. The graph has a red line representing the profile curve over a range from 0 to 4 mm. The y-axis ranges from -10 to 10. Below the graph, there is a table of roughness parameters and some status information.

3.108 μm	13.397 μm	16.962 μm	3.868 μm	6.372 μm	2.266	-0.313	8.0 /mm	4.2 %	88 %
R _a	R _z	R _t	R _q	R _p	R _k _u	R _s _k	R _p _c	M _r ₁	M _r ₂
8.026 μm	2.973 μm	4.119 μm	6.242 μm	0.244 μm	0.286 μm	10.569 μm	1.187 μm	3.403 μm	
R _v	R ₃ _z	R ₃ _y	R _z (JIS)	R _s	R _s _m	R _k	R _p _k	R _v _k	

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Profile curve

Mouse Position: X= 3.05mm Y= 10.7um Assist Point1: X= 0.59um Y= 32.05um Assist Point2: X= 42.33um Y= 32.05um Distant of P1 and P2: X= 41.74um Y= 29.03um

Ready Offset 0.0um Access 5 Range ± 40.0 μm Filter 50MSB Unit Metric System

control the roughness tester by computer, display roughness value, profile and curve

software CD
(included)



data transmission
cable (optional)



printer (optional)



screen display

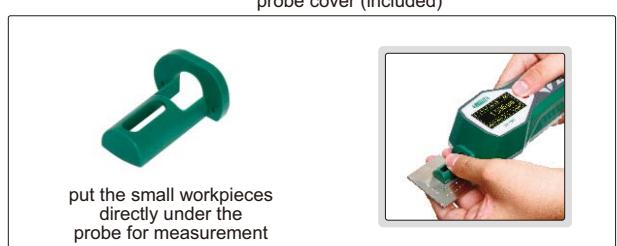
Three screenshots of the ISR-C002's LCD screen:

- measurement result: Shows roughness values R_a = 1.586 μm, R_z = 9.741 μm, and R_q = 1.990 μm.
- Rmr analysis: A graph showing the cumulative distribution of Rmr values (5%, 10%, 15%, 20%) versus Rmr (0 to 100%).
- roughness profile: A graph showing the roughness profile over a distance of ± 140.0 μm, ranging from 0.00 to 0.80 mm.

adjustable stand (included)



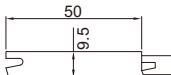
probe cover (included)



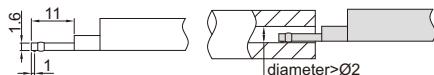
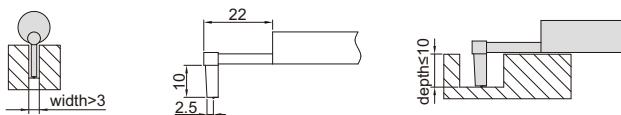
put the small workpieces
directly under the
probe for measurement

light duty test stand (optional)

the maximum workpiece height is 220mm

**extension rod (optional),
code ISR-C002-ER****transverse rod (optional),
code ISR-C002-TR****heavy duty test stand (optional)**

the maximum workpiece height is 310mm

**small hole probe (optional),
code ISR-C002-SBP****deep groove probe (optional),
code ISR-C002-DGP****SPECIFICATION**

Parameters		Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry (JIS), Rmax
Range		160µm
Accuracy		±10%
Resolution (Ra)		0.001µm
Probe	type	inductive
	stylus radius/angle	5µm/90°
	stylus material	diamond
Measuring force		4mN
Measuring unit		µm/µin
Cut off		0.25/0.8/2.5mm
Number of cut-off		1 to 5
Traverse speed		0.5mm/s, 1mm/s
Memory		100 measurement results
Output		USB
Power		built-in rechargeable battery
Dimension (L×W×H)		141×55×40mm
Weight		400g

STANDARD DELIVERY

Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Adjustable stand	1 pc
Probe cover	1 pc
Software	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

Extension rod	ISR-C002-ER
Transverse rod	ISR-C002-TR
Deep groove probe	ISR-C002-DGP
Small hole probe	ISR-C002-SBP
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
Printer	ISR-C002-PRINTER
Data transmission cable	ISR-C002-SPC