

- The product is light, reliable and durable
- 13 roughness parameters
- Can be operated by mobile phones (only Android system) or computers
- Measurement results can be exported in Excel and PDF format
- Memory of 18000 measurements with only parameters or 30 measurements with graph
- Automatic power off



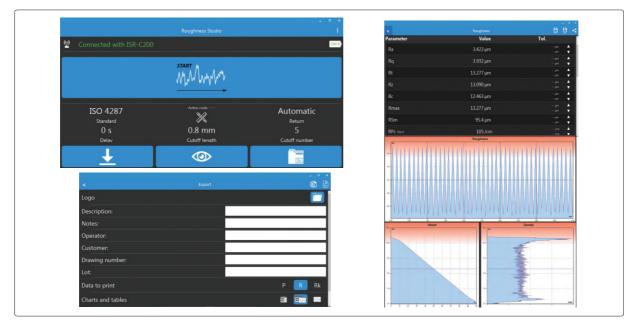




probe can be set at 90°, for transverse measurement

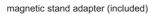
probe cover (included)

adjustable stand (included)



measuring software (included), connect to mobile phones via bluetooth (only Android system) to control roughness tester, or connect to computers via USB cable or bluetooth to control roughness tester, display roughness values and curve, results can be exported in Excel and PDF format

To be continued



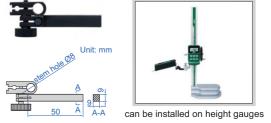


## SPECIFICATION

Parameters		Ra, Rq, Rt, Rz, Rc, Rmax, RSm, Rpc, Pt, R, AR, Rx, Ppc	
Range X axis Z axis		17.5mm	
		250µm	
Accuracy		±(5%+0.025)μm	
Resolut	ion (Ra)	0.001µm	
	type	inductive	
Probe	stylus radius/angle	2µm/90°	
stylus material		diamond	
Measuring unit		μm/µin	
Cut off		0.25/0.8/2.5mm	
Number of cut-off		1~5	
Moving	speed	0.5mm/s, 1mm/s	
Memory		18000 measurements with only parameters, 30 measurements with graph	
Power supply		built-in rechargeable battery	
Dimension (L×W×H)		160×34×33.5mm	
Weight		200g	

dial test indicator holder (optional)

UKY.



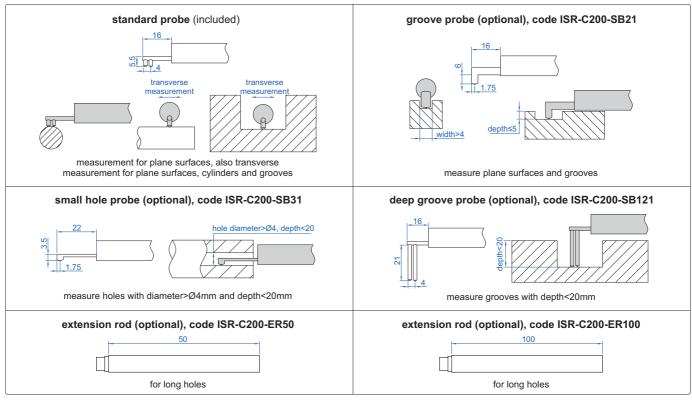
#### STANDARD DELIVERY

Main unit	1 pc
Standard probe	1 pc
Calibration block	1 pc
Adjustable stand	1 pc
Probe cover	1 pc
Magnetic stand adapter	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

#### **OPTIONAL ACCESSORY**

Dial test indicator holder	6293-6
Groove probe	ISR-C200-SB21
Small hole probe	ISR-C200-SB31
Deep groove probe	ISR-C200-SB121
Extension rod	ISR-C200-ER50
Extension rod	ISR-C200-ER100

## SPECIFICATION OF PROBES



Unit: mm

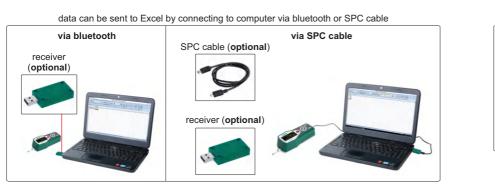
INSIZE Czech | +420 544 500 151 | info@insize.cz | www.insize.cz





Rmr analysis

connect to computers via USB cable (software is included), display roughness values, profile and curve

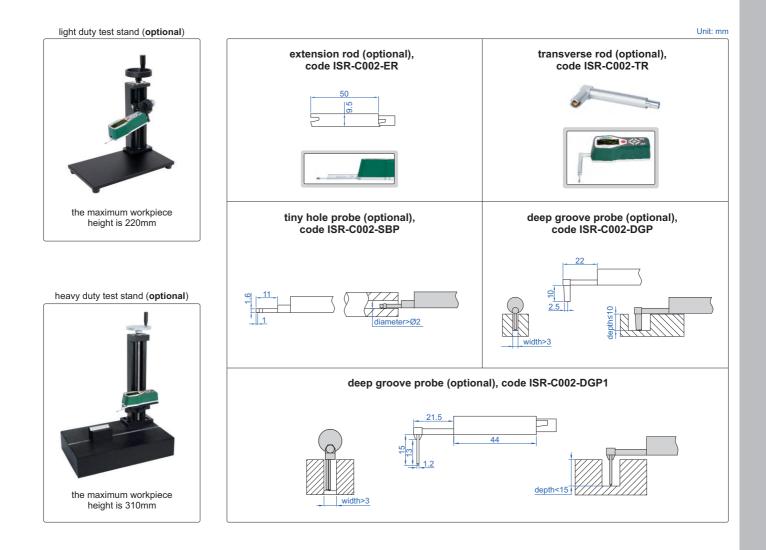


(only Android system), display roughness values, profile and curve



bluetooth printer (optional)

To be continued



## 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		320µm (-160µm~160µm)	
Accura	су	±10%	
Resolution (Ra)		0.001µm	
	type	inductive	
Probe	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	
Moving	speed	0.5mm/s, 1mm/s	
Memor	у	100 measurement results	
Output		bluetooth and USB	
Power supply		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 and USB cable	1 pc
AC/DC adapter	1 pc

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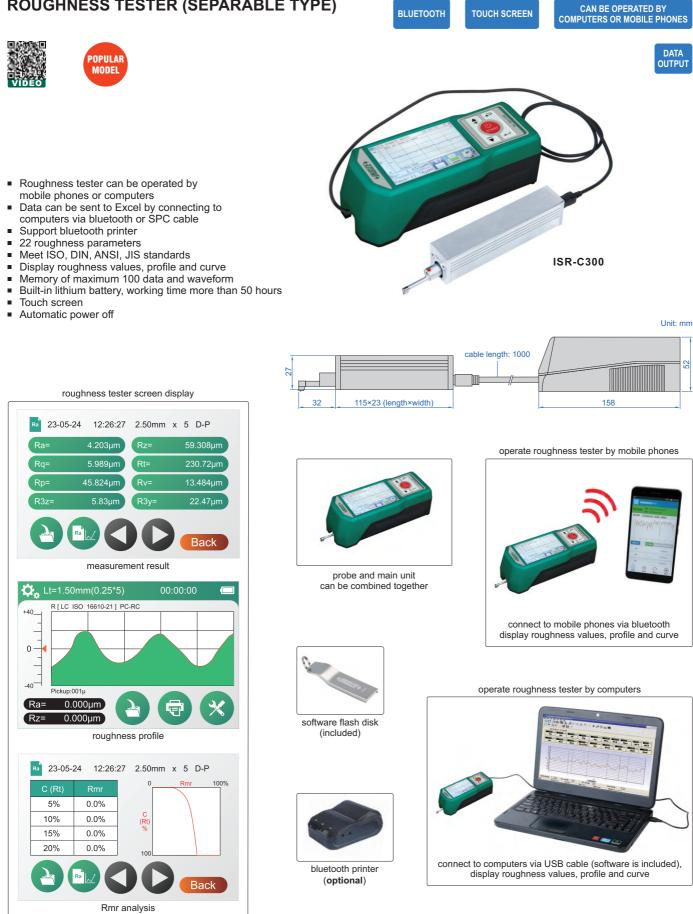
# **OPTIONAL ACCESSORY**

Extension rod	ISR-C002-ER
Transverse rod	ISR-C002-TR
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
Bluetooth printer	ISR-C002-PRINTER
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC

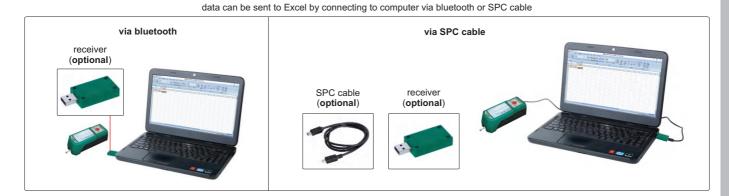
\*Need to be delivered with roughness tester ISR-C002

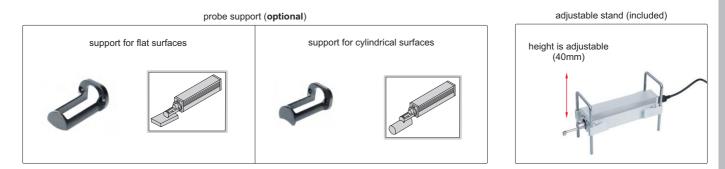
# **ROUGHNESS TESTER (SEPARABLE TYPE)**

+INSIZE



To be continued





magnetic stand adapter (included)

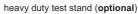


height gauge adapter (optional)

-INSIZE-



NOTE: Please check whether the adapter can fit your height gauges. When using INSIZE height gauges, please use the dial test indicator holder of height gauges





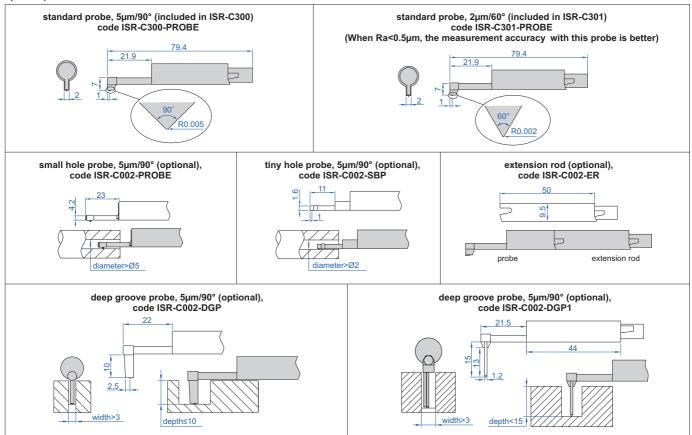
light duty test stand (optional)



To be continued



# optional probes



#### STANDARD DELIVERY

Main unit	1 pc
Standard probe (included in ISR-C300)	1 pc
Standard probe (included in ISR-C301)	1 pc
Calibration block and support	1 pc of each
Connecting cable (long and short)	1 pc of each
Magnetic stand adapter	1 pc
Adjustable stand	1 pc
Touch pen	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

# **OPTIONAL ACCESSORY**

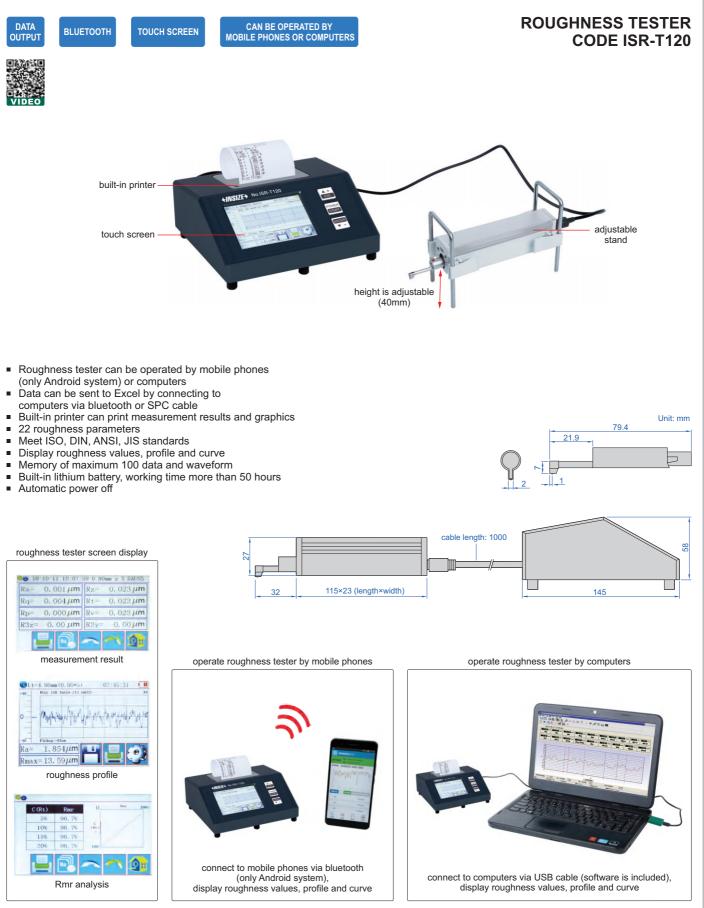
OF HONAL ACCESSORT	
Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
Standard probe	ISR-C301-PROBE
Standard probe	ISR-C300-PROBE
Bluetooth printer	ISR-C002-PRINTER
Height gauge adapter	ISR-C300-LB1
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND

\*Need to be delivered with roughness tester ISR-C300

Code		ISR-C300	ISR-C301
Measuring force		4mN	0.75mN
Stylus rac	lius/angle	5µm/90°	2µm/60°
Parameters		Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax	
Probe typ	e	inductive	
Stylus material		diamond	
Range	X axis	17.5mm	
Range	Z axis	320µm (-160µm~160µm)	
Accuracy		±10%	
Resolution (Ra)		0.001µm	
Measuring unit		μm/µin	
Cut off		0.25/0.8/2.5mm	
Number o	f cut-offs	1~5	
Moving s	peed	0.135mm/s, 0.5mm/s, 1mm/s	
Memory		100 measurement results	
Output		USB and bluetooth	
Power supply		built-in rechargeable battery	
Dimension (L×W×H)		158×64×52mm	
Weight		400g	

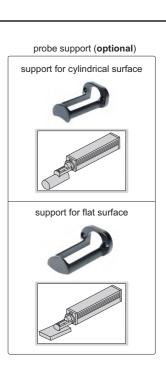
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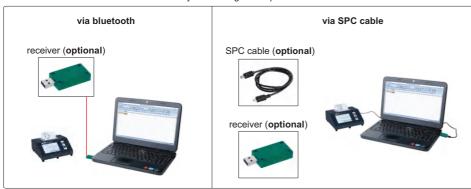


To be continued

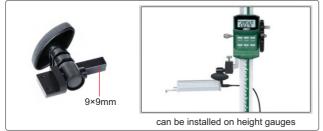




data can be sent to Excel by connecting to computer via bluetooth or SPC cable







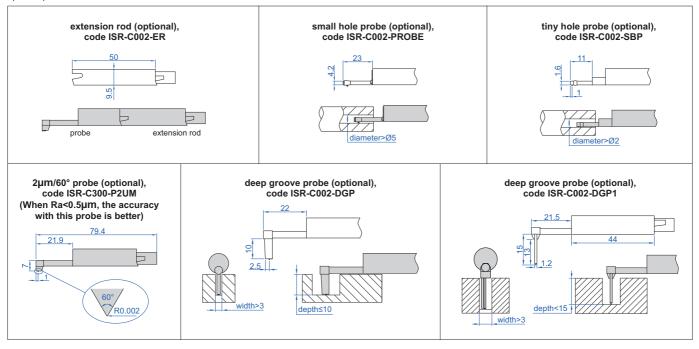
height gauge adapter (optional)





NOTE: Please check whether the adapter can fit your height gauges. When using INSIZE height gauges, please use the dial test indicator holder of height gauges

optional probes



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To be continued

Unit: mm



heavy duty test stand (optional)

-INSIZE+



# SPECIFICATION

Parameters		Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax	
Range X axis Z axis		17.5mm	
		640μm (-320μm~320μm)	
Accuracy		±10%	
Resolution (Ra)		0.001µm	
	type	inductive	
Probe	stylus radius/angle	5µm/90°	
stylus material		diamond	
Measuring f	orce	4mN	
Measuring unit		µm/µin	
Cut off		0.25/0.8/2.5mm	
Number of cut-offs		1~5	
Traverse speed		0.135mm/s, 0.5mm/s, 1mm/s	
Memory		100 measurement results	
Output		bluetooth and USB	
Power supply		built-in rechargeable battery	
Dimension (L×W×H)		155×145×58mm	
Weight		1000g	

## STANDARD DELIVERY

Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Magnetic stand adapter	1 pc
Adjustable stand	1 pc
Touch pen	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

## **OPTIONAL ACCESSORY**

Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
2µm/60° probe	ISR-C300-P2UM
Deep groove probe	ISR-C002-DGP
Deep groove probe	ISR-C002-DGP1*
Height gauge adapter	ISR-C300-LB1
Receiver	ISR-C300-RECEIVER
SPC cable	ISR-C300-SPC
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
-	

\*Need to be delivered with roughness tester ISR-T120



Unit: µm, µin

Automatic power off

*<i>AINSIZE* 

# SPECIFICATION

Parameters *		Ra, Rz, Rq, Rt	
Range		Ra, Rq: 0.05~15µm Rz, Rt: 0.1~50µm	
Accuracy		±10%	
Resolution (Ra)		0.01µm	
Probe	type	piezoelectric	
	stylus radius/angle	10µm/90°	
	stylus material	diamond	
Measuring force		5mN	
Measuring unit		μm/µin	
Cut off		0.25/0.8/2.5mm	
Evaluation length		1.25mm for cut off 0.25mm 4mm for cut off 0.8mm 5mm for cut off 2.5mm	
Moving speed		0.75mm/s	
Power supply		built-in rechargeable battery	
Dimension (L×W×H)		106×70×24mm	
Weight		200g	

\* Rmax parameter can be customized

# STANDARD DELIVERY

Main unit	1 pc
Calibration block	1 pc
AC/DC adapter	1 pc

SURFACE ROUGHNESS SPECIMEN SET CODE ISR-CS130-W

**{||\\\$|ZE}** plus

MADE IN EUROPE

For checking, identifying and specifying the roughness by symbolRust-proof, made of pure Nickel

Machining method	Roughness (Ra) *	Roughness (Rz) *	Quantity
Flat lapping	0.05, 0.1, 0.2µm	0.55, 1, 1.6µm	3 pcs
Flat lapping	2, 4, 8µin	0.55, 1, 1.6µm	
Reaming	0.4, 0.8, 1.6µm	3, 6, 10µm	3 pcs
Reaming	16, 32, 63µin	3, 0, 10µ11	
Plain grinding	0.05, 0.1, 0.2, 0.4, 0.8, 1.6μm	0.55, 1, 1.6, 3,	6 pcs
Flain grinding	2, 4, 8, 16, 32, 63µin	6, 10µm	
Harizantal milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	2.5, 4, 8, 16, 32,	6 pcs
Horizontal milling	16, 32, 63, 125, 250, 500µin	50µm	
Vertical milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	2.5, 4, 8, 16, 32,	6 pcs
venucarmining	16, 32, 63, 125, 250, 500µin	50µm	
Turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	2.5, 4, 8, 16, 32,	6 pcs
Turning	16, 32, 63, 125, 250, 500µin	50µm	







fixture for small shafts (optional)





calibration block (included)

# **OPTIONAL ACCESSORY**

Fixture for small shafts

**ISR-C003-FIXTURE** 



\*The actual value is the value to be calibrated