

SURFACE ROUGHNESS TESTER(SEPARABLE TYPE)

MODEL: PRSR520

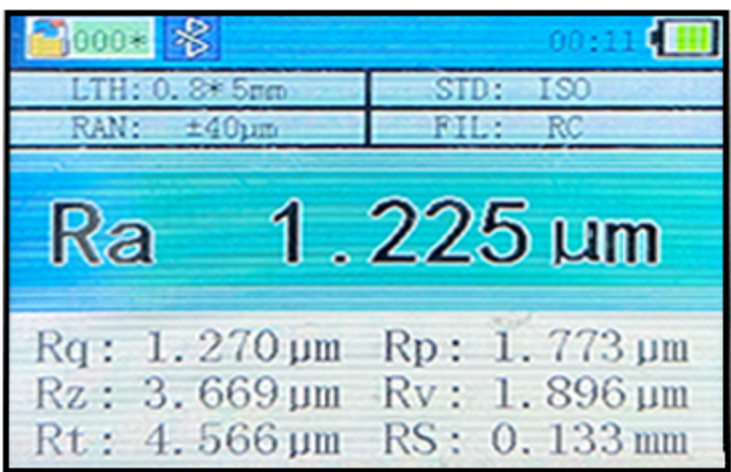


- BLUETOOTH
- DATA OUTPUT
- SEPARABLE FUNCTION
- SUPPORT OPERATED BY COMPUTERS OR MOBILE PHONES

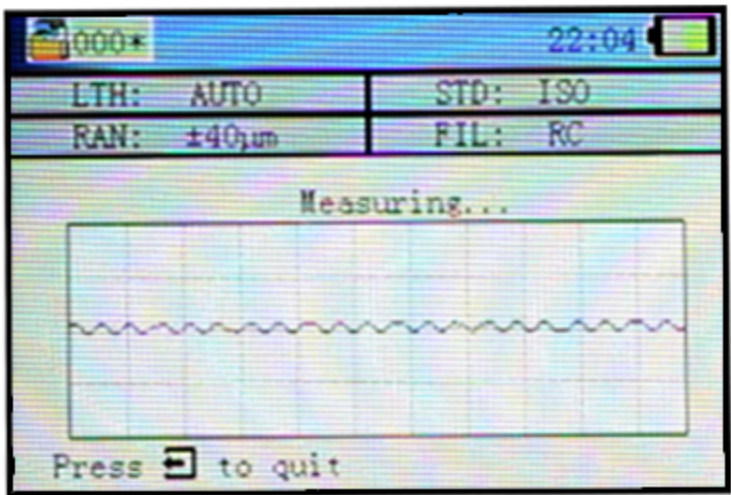
- Roughness tester can be operated by mobile phones(only Android system)or computers;
- ARM processor for control and data processing, fast speed, low power consumption;
- Large range, can measure multi parameters: Ra, Rz, Rq, Rt, Rp, Rv, R3z and other 22 parameters;
- Color LCD display supports real-time display of measurement progress and surface contours;
- Compatible with ISO, DIN, ANSI, JIS national standards;
- Rechargeable lithium battery, Automatic power off;
- Large capacity data storage, the machine FLASH can store 200 groups of original data and waveform;
- Support SD card storage, up to 16G;
- Compatible with a variety of sensors;



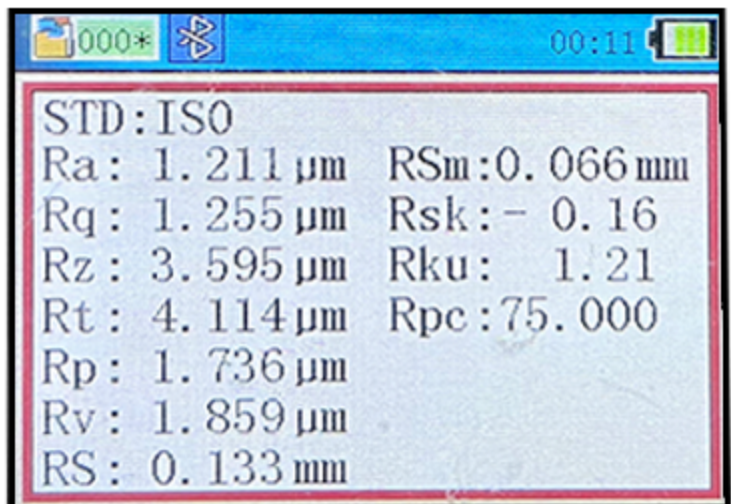
SR520 Roughness Tester Screen Display



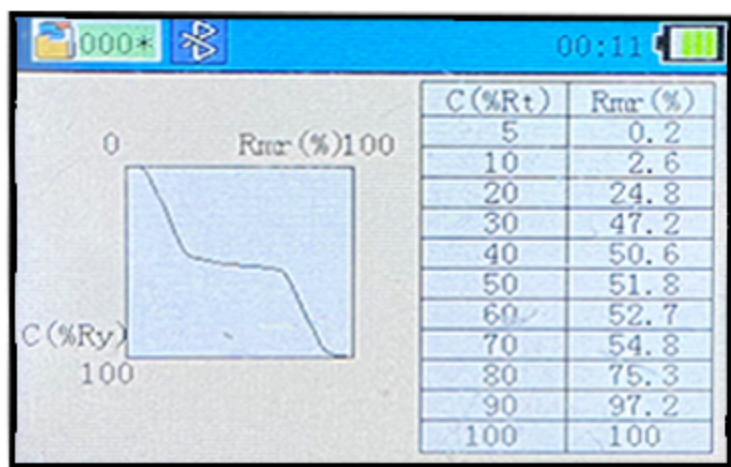
Measurement Result



Measurement Profile

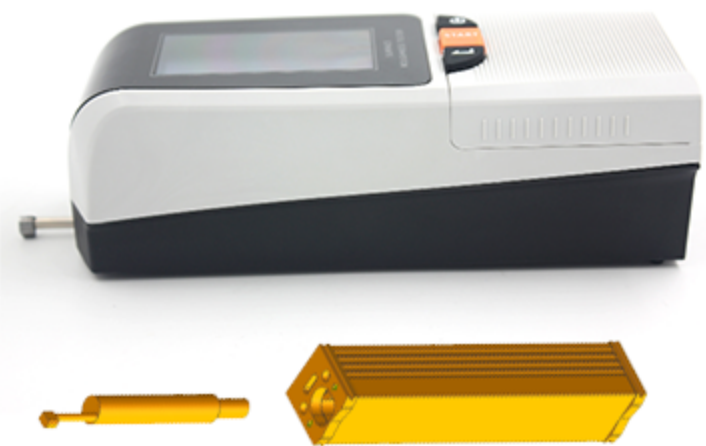


Other Parameters



Rmr analysis result

Probe can combined with host machine



Flash disk
(contain Android and PC software)



connect to mobile phones via bluetooth
(only Android system),
display roughness values,profile and curve



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

BLUETOOTH PRINTER(optional)

PROTECTIVE COVER (optional)

For flat surface



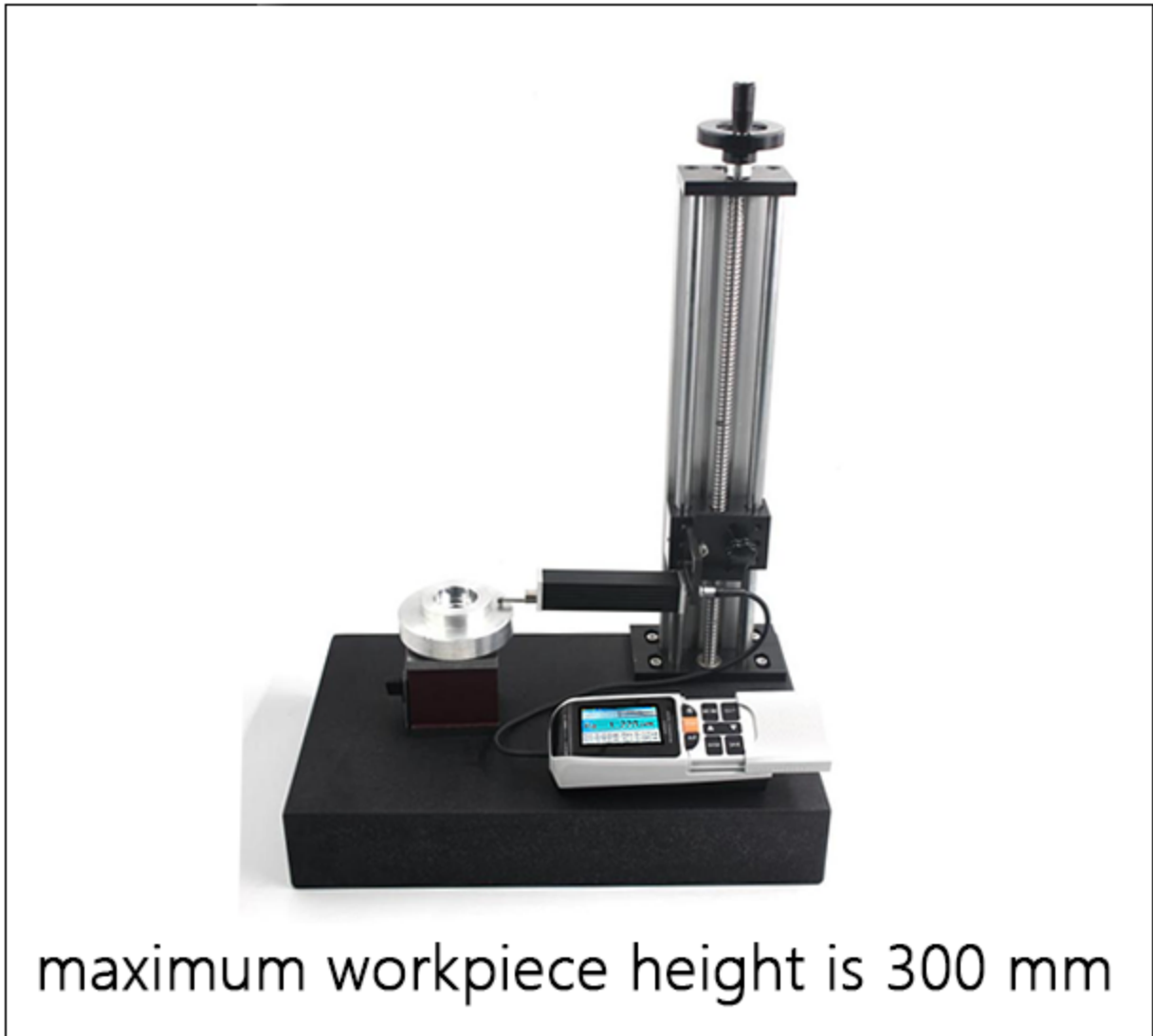
magnetic stand adapter (Optional)

height gage adapter(optional)



light duty test stand (optional)

heavy duty test stand (optional)



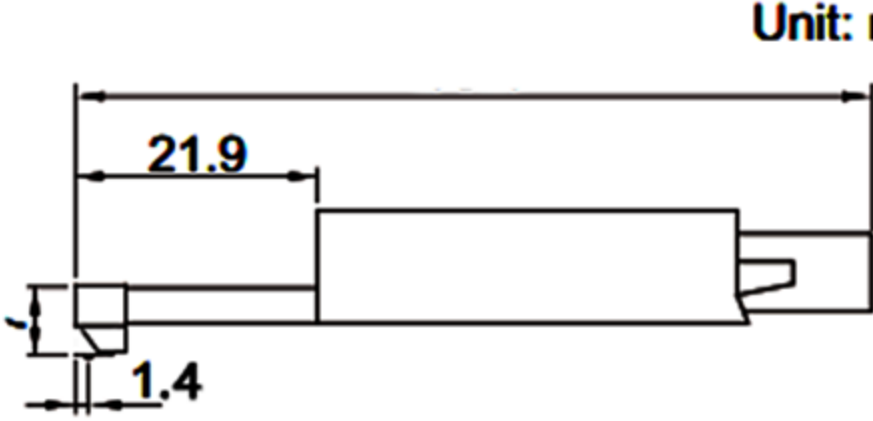
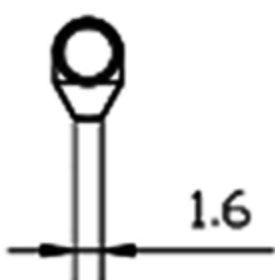
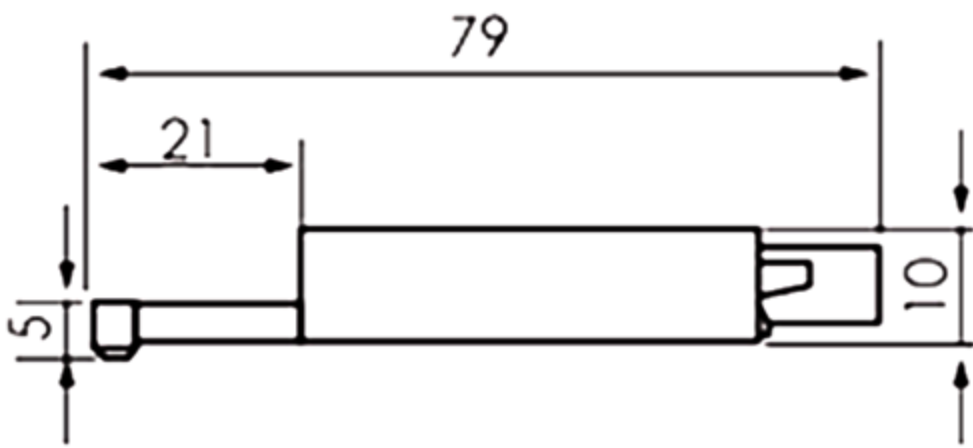
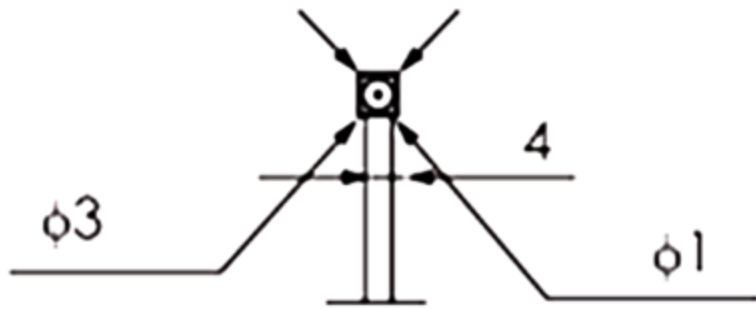
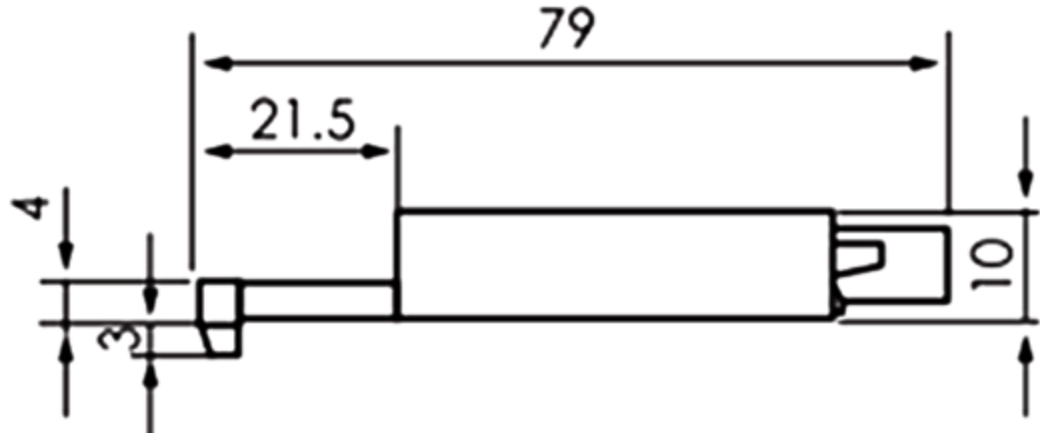
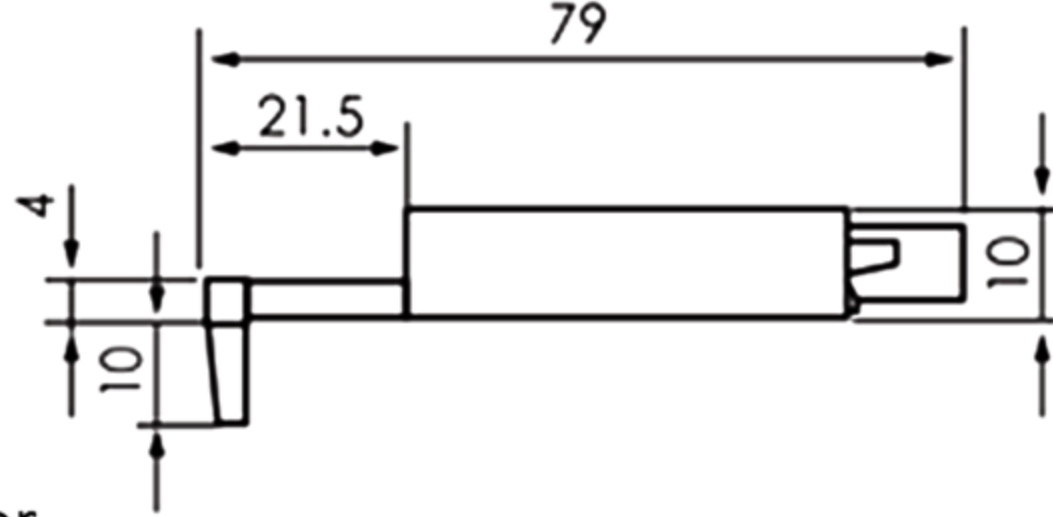
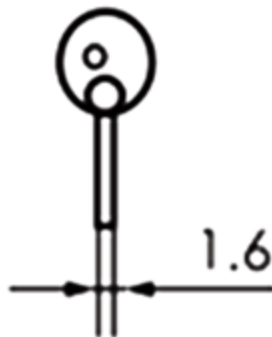
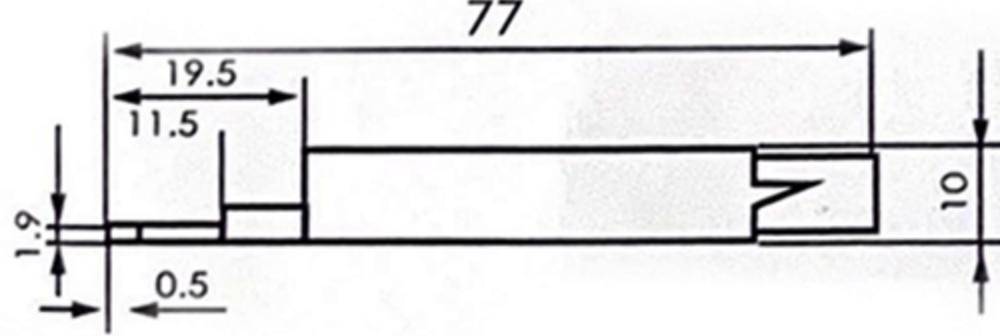
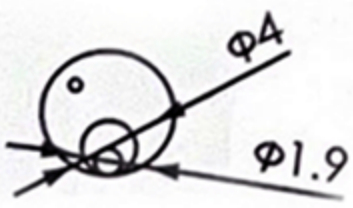
maximum workpiece height is 300 mm



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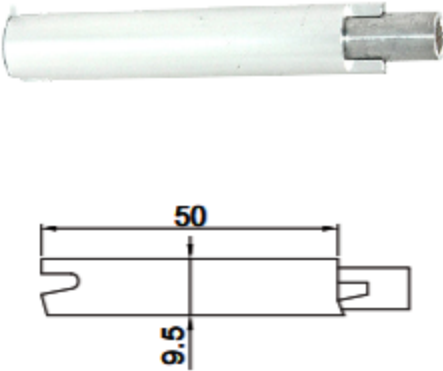
Optional Probes

unit:mm

		
Standard sensor (include)	Code : IPRE-RS200	
		
Curved sensor (optional)	Code : IPRE-RS110	
		
Groove sensor (optional)	Code : IPRE-RS130	
		
Deep Groove sensor (optional)	Code : IPRE-RS131	
		
Small hole sensor (optional)	Code : IPRE-RS120	



extension rod (optional)
code: IPRE-RS-01



Horizontal rotation device (optional)
code: IPRE-RS-002



SPECIFICATION

Parameters		Ra、Rz、Rq、Rt、Rc、Rp、Rv、R3z、R3y、Rz(JIS)、Ry、Rs、Rsk、Rku、Rmax、Rsm、Rmr、RPc、Rk、Rpk、Rvk、Mr1、Mr2
Resolution(Ra)		0.001μm
Range		±160μm
Probe	Type	Inductive
	Stylus radius/angle	5um/90°
	Stylus material	Diamond
Display range		Ra、Rq: 0.005-16μm; Rz、Ry、Rt、Rp、Rv、Rmax、R3z: 0.02-160μm; RS、RSm: 1mm; Rmr: 0-100%（%Rt）; Rsk: 0-100%
Measuring force		4mN
Z- axis range		±20μm、±40μm、±80μm
Filter		RC、PC-RC、GAUSS、D-P
Sampling length l		0.25mm,0.8mm,2.5mm
Evaluate the length L		(1-5)l l is the sampling length
Maximum driving stroke		17.5mm/0.7inch
Minimum driving stroke length		1.3mm/0.052inch
Accuracy		10%
Indication variability		≤6%
Display mode		320*240 Three primary color LCD color LCD display screen
Power		rechargeable lithium battery
External dimensions		140mm×52mm×48mm
Weight		440g

STANDARD DELIVERY

Host machine	1
Calibration block and support	1
Sensor jacket	1
Product Specification	1
Standard sensor	1
AC/DC Power adaptor	1
packing list	1
Warranty card	1
Certification	1

OPTIONAL ACCESSORY

Extension rod	IPRE-RS-01
Small hole probe	IPRE-RS110
Deep groove probe	IPRE-RS131
Deep groove probe	IPRE-RS130
Bluetooth printer	IPRE-PRT100
Height gage adapter	IPRE-PRT200
Support for cylindrical surface	IPRE-RS170
Light duty test stand	IPRE-TA320
Heavy duty test stand	IPRE-TA620