

MEASURE **BETTER** FOR A PRECISE TOMORROW

Reliable Solutions for
Surface, Form and Dimensional
Measurement



MANUFACTURING



AUTOMOTIVE



AEROSPACE



QUALITY CONTROL

MARKETED BY

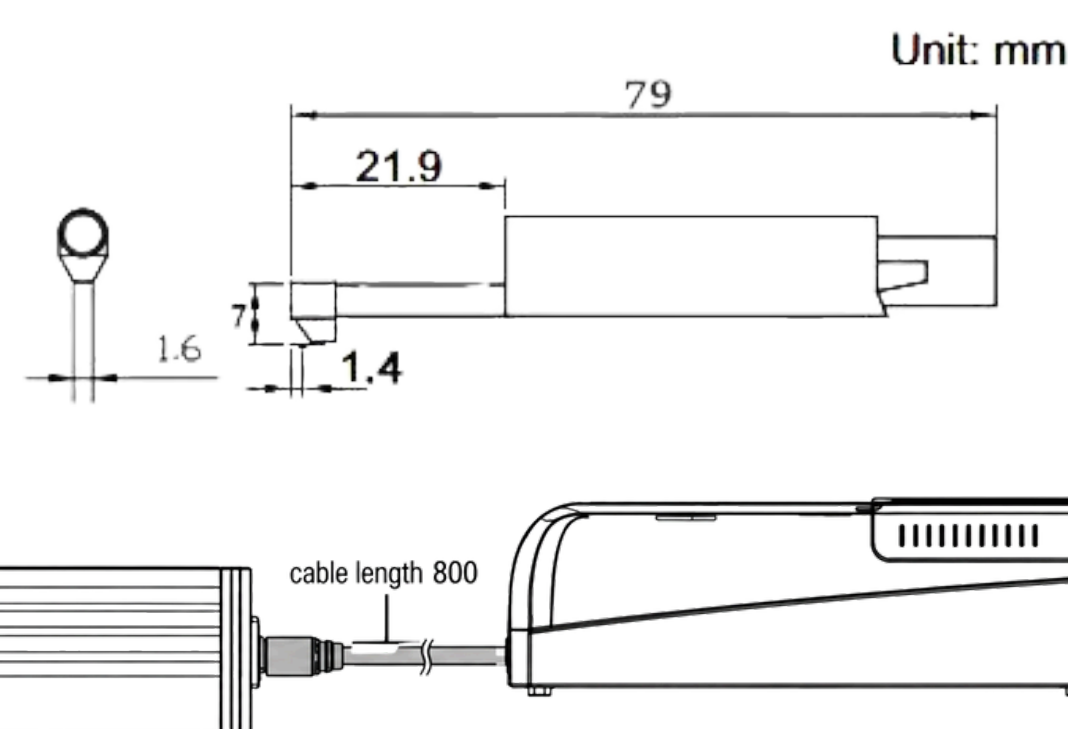


SURFACE ROUGHNESS TESTER (Separable Type)

SRT-520

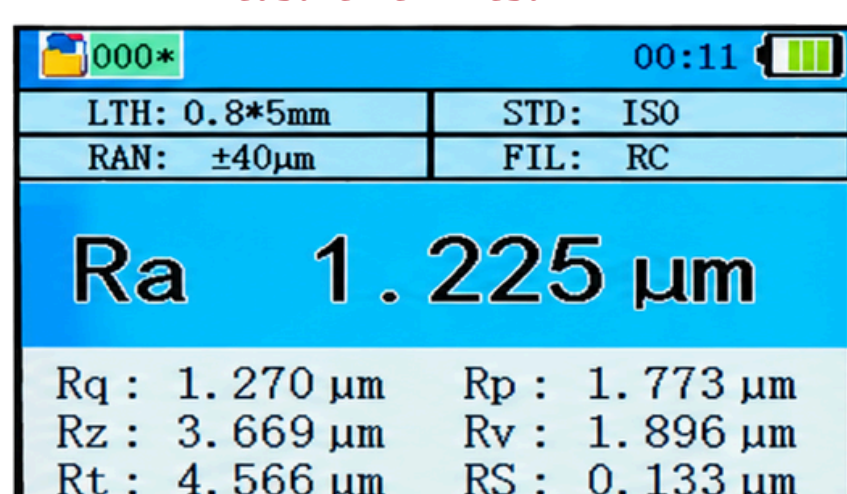
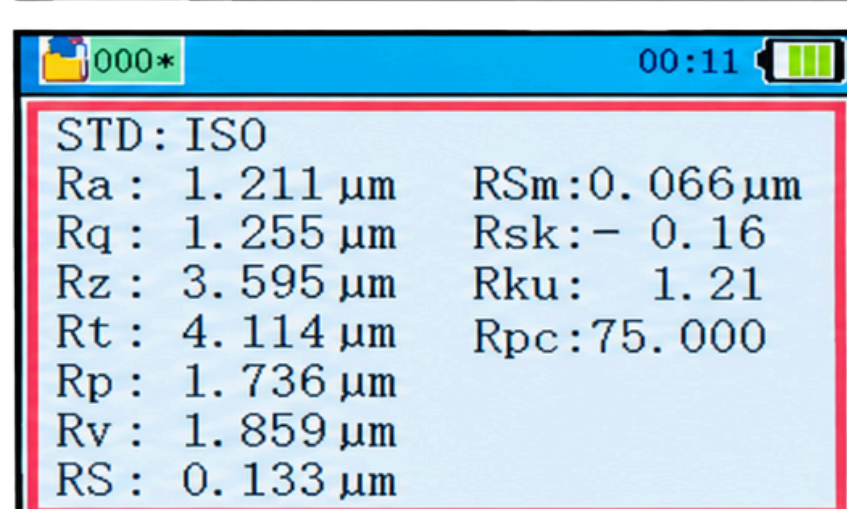
PRODUCT CHARACTERISTICS

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



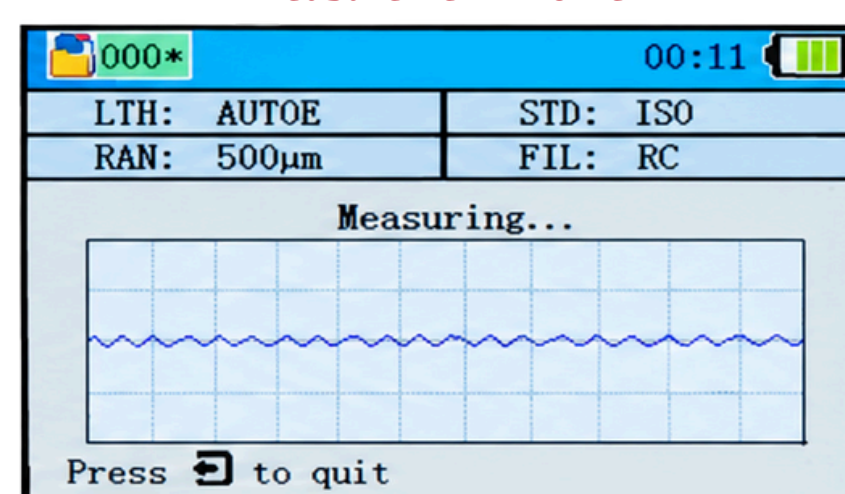
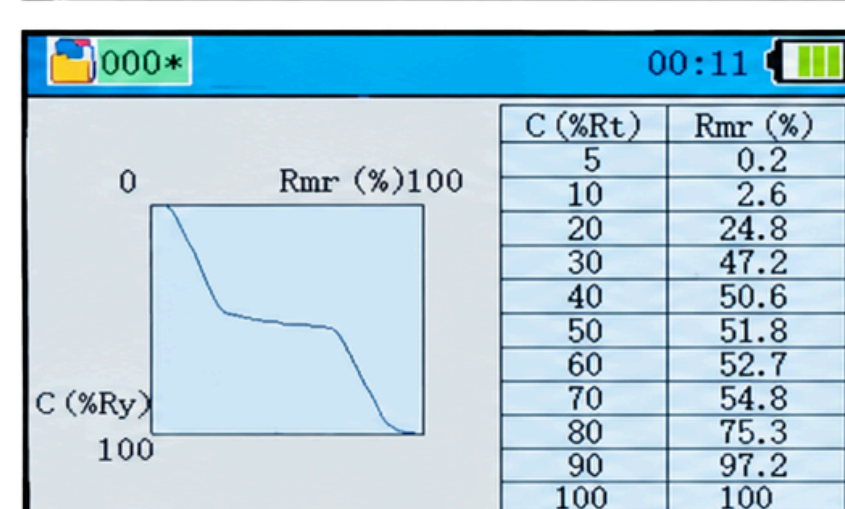
SRT520 Roughness Tester Screen Display

Measurement Result



Other Parameters

Measurement Profile



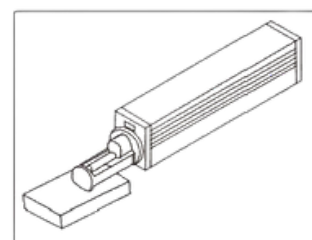
Rmr analysis result

Probe can combined with host machine



FLASH Disk
(default configuration)
Contain PC and Android App

USB connection
for roughness
values, profiles &
curves.



PROTECTIVE COVER
(optional)

For flat surface



Magnetic Stand
Adapter
(Optional)



Height Gage
Adapter
(optional)



Light Duty Test
Stand
(Optional)

(maximum workpiece height is 300 mm)

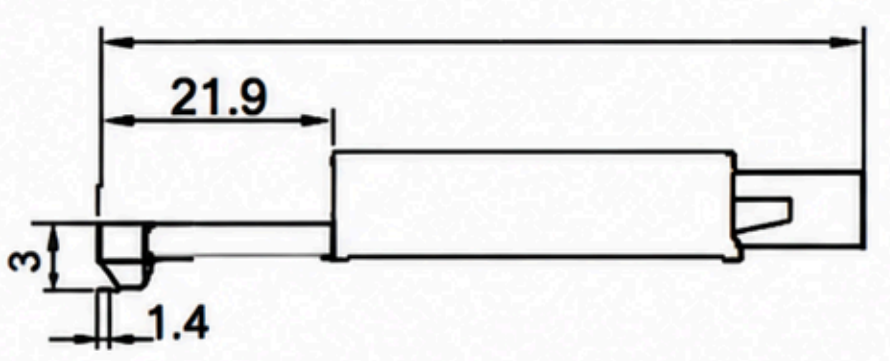
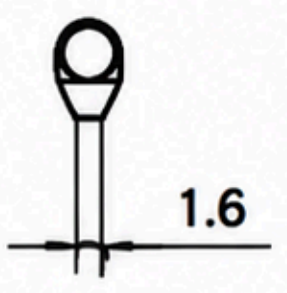
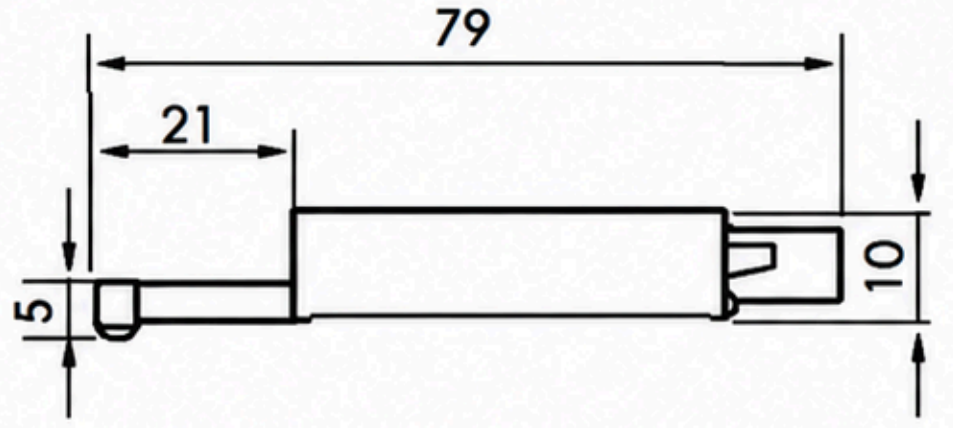
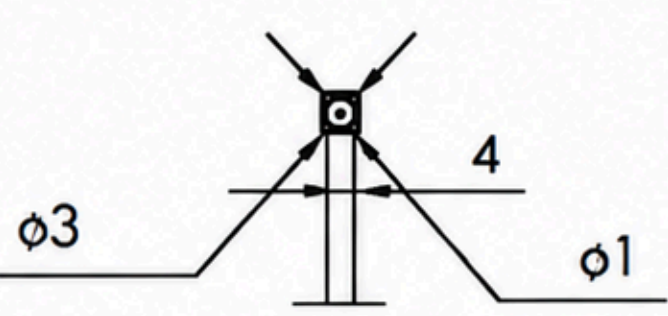
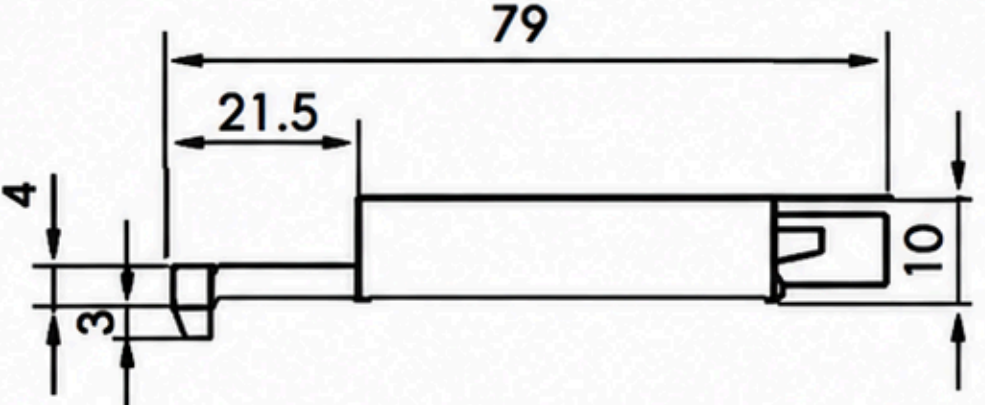
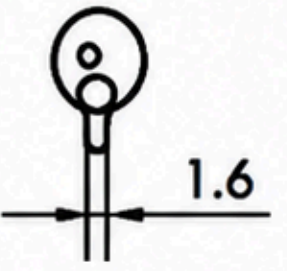
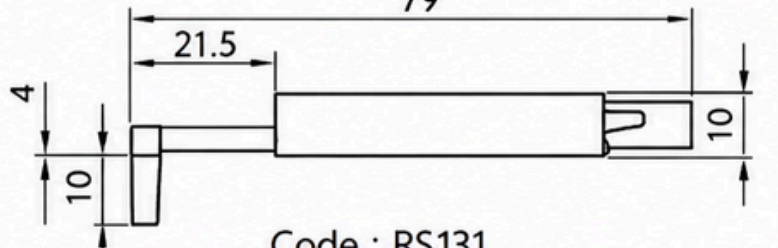
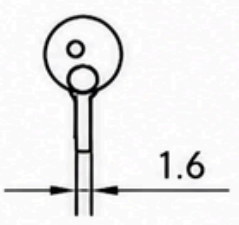
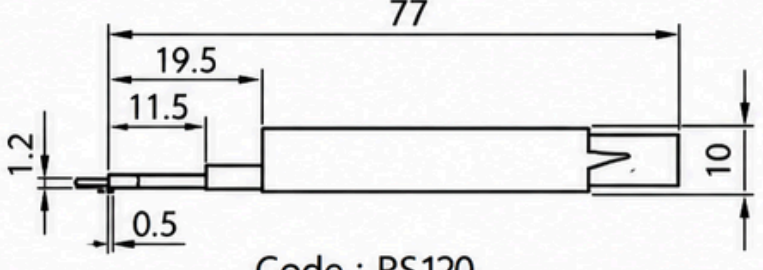
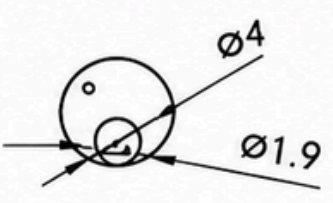
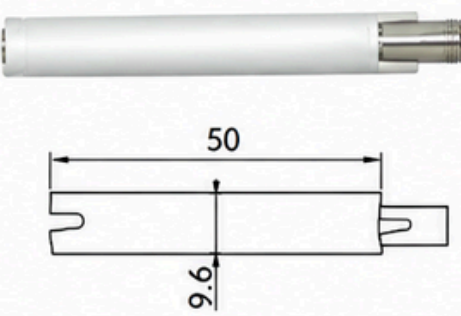


Heavy Duty Test
Stand
(optional)

(maximum workpiece height is 300 mm)

Optional Probes

unit:mm

 <p>Standard sensor (include)</p>	 <p>Unit mm</p> <p>Code : RS200</p>	
 <p>Curved sensor (optional)</p>	 <p>Code : RS110</p>	
 <p>Groove sensor (optional)</p>	 <p>Code : RS130</p>	
 <p>Deep Groove sensor (optional)</p>	 <p>Code : RS131</p>	
 <p>Small hole sensor (optional)</p>	 <p>Code : RS120</p>	
	<p>extension rod (optional) code: RS-01</p> 	<p>Horizontal rotation device (optional) code: RS-002</p> 

TECHNICAL SPECIFICATIONS

Measurement parameters	Ra,Rq,Rz,Rv,Ry,Rk,Rpk,Rvk,R3y,R3z,Rt,Rp, Rmax,RS,RSm,Rku,Rsk,Rpc,Mr1 ,Mr2
Resolution (Ra)	0.001 μm
Display range (μm)	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%
Range (Z-axis)	±20μm,±40μm,±80 μm
Accuracy	10%
Filter	RC, PC-RC, GAUSS, D-P
Sampling length	0.25mm,0.8mm,2.5mm
Evaluation length	(1-5)1 is the sampling length
Maximum drive stroke	17.5mm/0.7inch
Minimum drive stroke	1.3mm/0.052inch
Range	+/- 320μm (Z-axis)
Indicating variability	</=6%
Display mode	320*240 three primary color LCD color
External dimension	140mmX52mmX48mm
Weight	440g
Type	Inductive
Stylus radius/angle	5μm/90 degree
The needle	Diamond

STANDARD CONFIGURATION

Name	QTY
Host	1
Calibration Block and Support	1
Sensor Jacket	1
Standard Sensor	1
AC/DC Power adaptor	1
Warranty Card	1
Packing List	1
Certification	1



OPTIONAL ACCESSORIES

Extension rod	RS-01
Small Hole Probe	RS 110
Deep Groove Prob	RS 131/ RS 130
Height Gauge Adapter	RT 200
Support for Cylindrical Surface	RS 170
Light Duty Test Stand	RS 320
Heavy Duty Test Stand	RS620

SURFACE
FORM
DIMENSION
QUALITY



Marketed by

FOR MORE INFORMATION PLEASE CONTACT:



BHAGWATI

Hardware & Mill Store Since 1976

Address: 4769, 1ST Floor, Old Post Office Building,
Hauz Qazi, Delhi - 110006

Mobile: 9212012856, 9350076343

Website: www.bhagwatihardware.com
www.bhagwatihardwaredelhi.in

E-mail: sandeep@bhagwatimail.com

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TODAY
FOR A
BETTER
TOMORROW