

MEASURE **BETTER** FOR A PRECISE TOMORROW

Reliable Solutions for
Surface, Form and Dimensional
Measurement



MARKETED BY



SRT-420



- 1 ARM chip, with fast data control speed and low power consumption.
- 2 Colour Screen, Display all parameters and Graphics and waveforms.
- 3 Large range, can test 23+ parameters:
Ra,Rz,Rq,Rt,Rp,Rv,Rmax,R3z,RSK, RS,RSm,Rmr,Rku,Rpc,etc
- 4 With automatic calibration function, to achieve high accuracy.
- 5 Colours can be optional,Red/Blue/White/Black
- 6 Compatitable with ISO,DIN,ANSI,JIS international standards.
- 7 With PC and Mobile phone(Only Android) Control.
- 8 Compatible with a variety of sensors: Standard sensor,Small hole sensor, Groove sensor,Deep groove sensor,Curved sensor.

Measurement parameters	Ra,Rq,Rz,Rv,Ry,Rk,Rpk,Rvk,R3y,R3z,Rt,Rp, Rmax,RS,RSm,Rku,Rsk,Rpc,Mr1 ,Mr2
Measurement range (μm)	Ra:0.02 5-12.5
Display range (μm)	Ra,Rq:0.005-16μm. Rz,Ry,Rt,Rp,Rv,Rmax,R3z: 0.02-160μm. RS,RSm: 1mm. Rmr:0-100%(0/oRt). Rsk:0-100%
Range (Z-axis)	±20/±40/±80 um
Maximum resolution	0.001um
Filter	RC PC-RC GAUSS, D-P
Sampling length	0.25mm,0.8mm,2. 5mm
Evaluation length	(1-5)1,optional,1 is sampling length
Maximum drive length	17.5mm/0.7inch
Minimum drive length	1.3mm/0.052inch
Indication error	</=±10%
Indicating value variability	</=6%
Display mode	128*64 OLED
Overall dimension	140mmX52mmX48mm

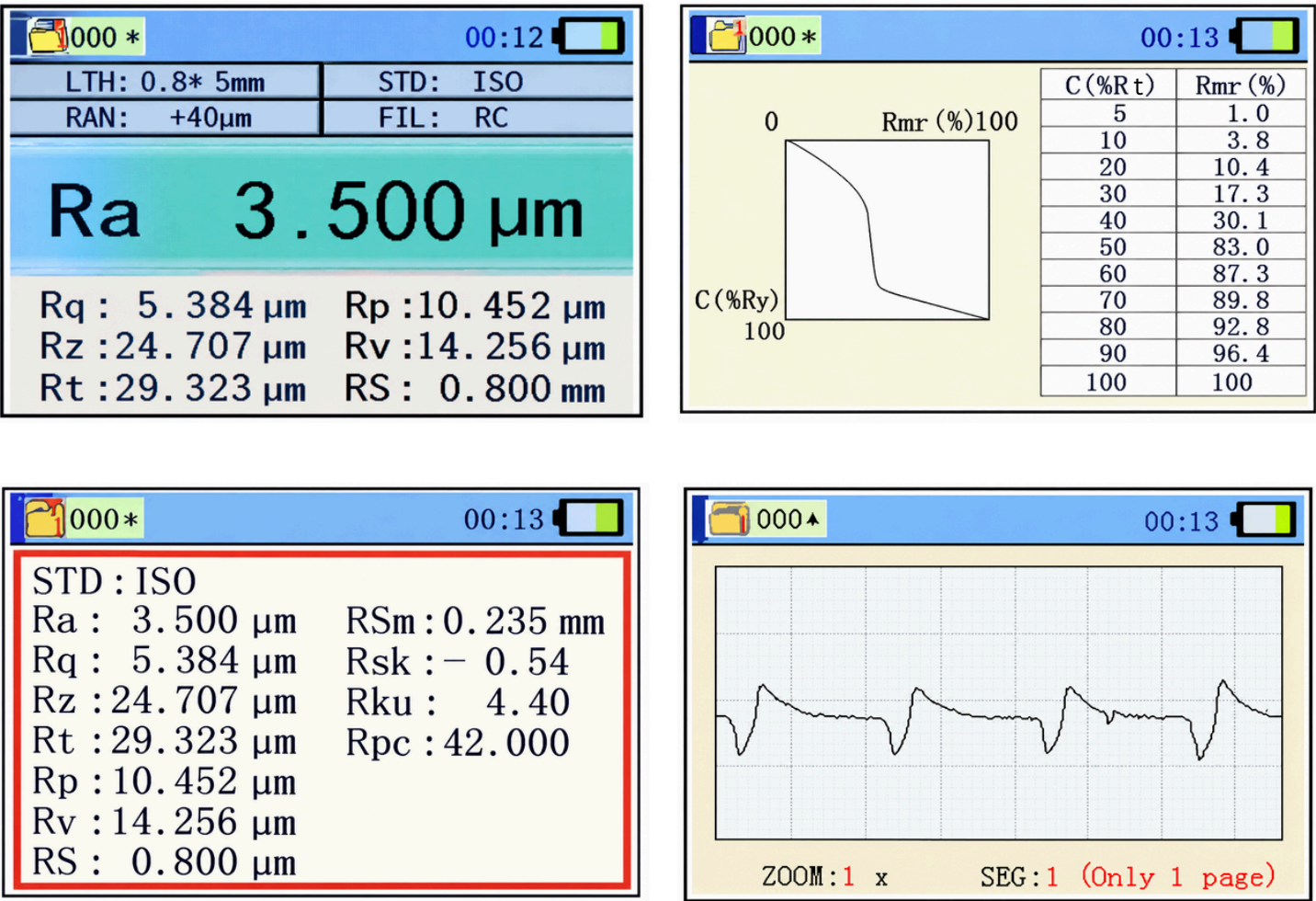


STANDARD CONFIGURATION

Name	QTY
Host	1
Adaptor	1
Specification	1
Certification	1
Standard Template	1
USB Cable	1
Warranty Card	1
Packing List	1

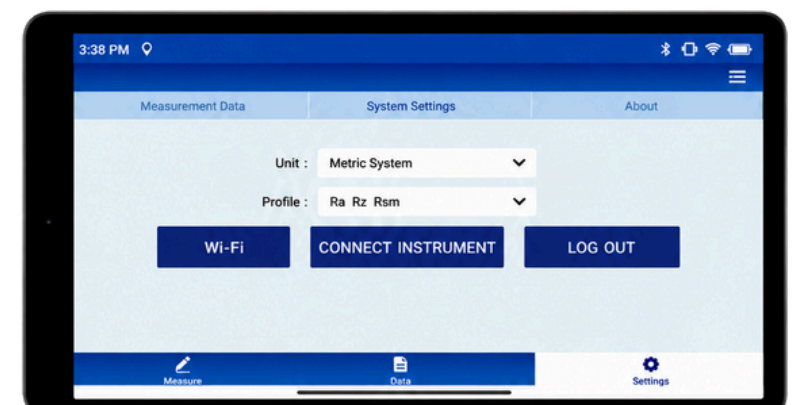
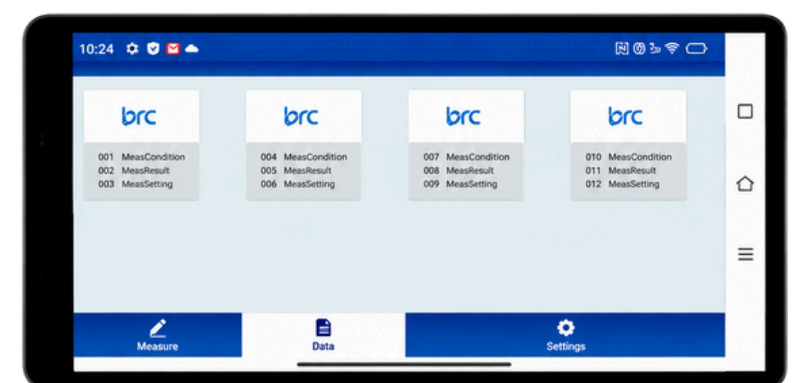
APPLICATION AREA

Widely used in machining, aerospace, auto parts, communications, electricity, electronics and other industries, but also suitable for universities, scientific research institutes, technical supervision bureau, special inspection and so on.





The latest developed measurement synchronization software. For Android APP With Original contour display, export report, and more functions



STANDARD ACCESSORIES

Protective cover-For all sensors used to different kinds of surfaces



OPTIONAL ACCESSORIES

Support Micro SD (32G MAX)



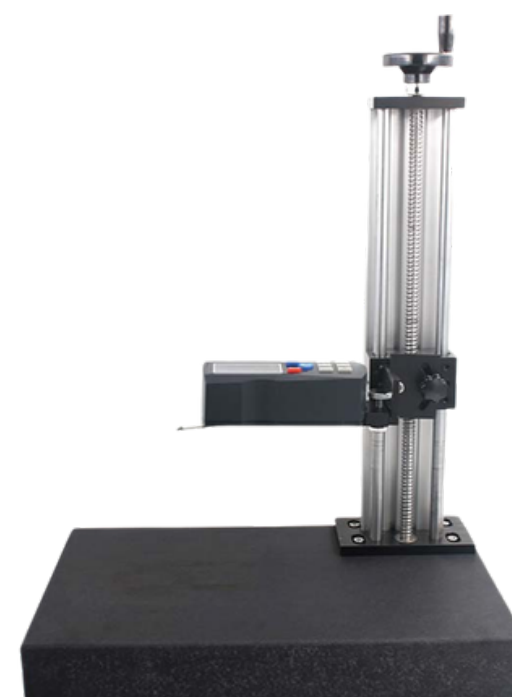
**SanDisk
32 GB**

OPTIONAL ACCESSORIES (SUITABLE FOR MORE MODELS OF ROUGHNESS TESTER)



Material: Cast iron

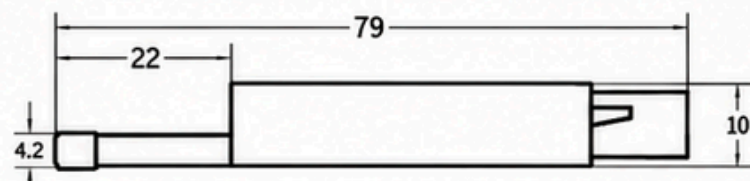
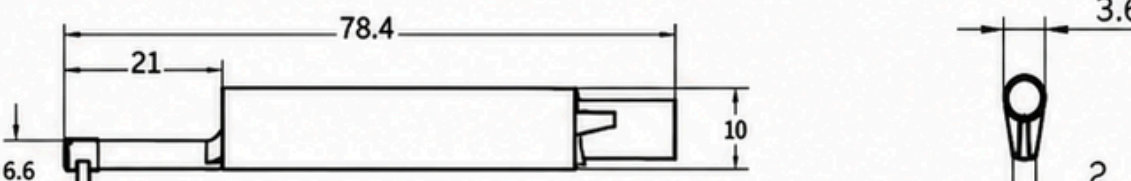
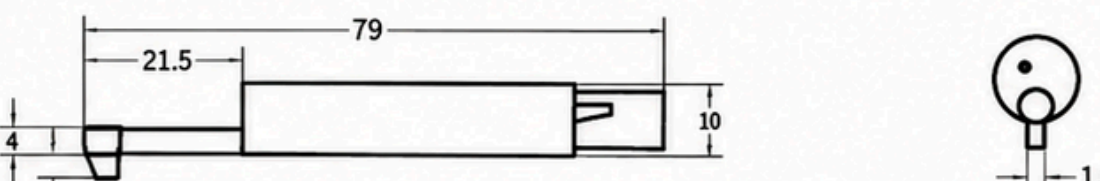
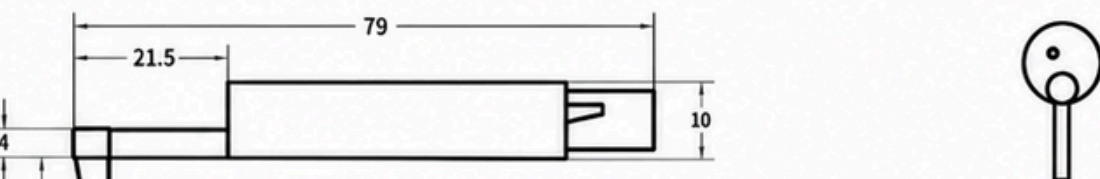
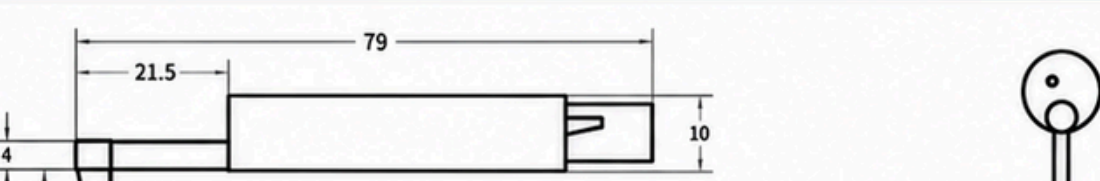
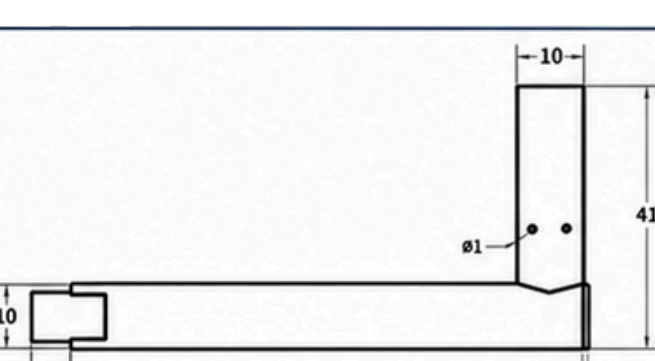
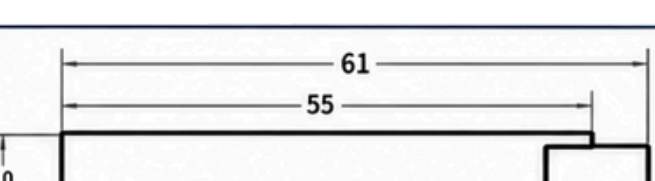
Name: Light weight test platform maximum workpiece height is **300 mm**



Material: Marble

Name: Heavy weight test platform maximum workpiece height is **500 mm**

SURFACE ROUGHNESS TESTER PROBES

 Standard sensor (standard)	 <p>It can measure the roughness of plane and cylindrical surfaces, and can measure the minimum diameter of inner holes of 5mm and the maximum depth of 22mm.</p>
 Curved surface sensor (optional)	 <p>It can measure the roughness of concave and convex workpiece surfaces with a curvature radius greater than 6mm, and can also measure suitable planes and cylinders.</p>
 Small hole sensor (optional)	 <p>It can measure the surface roughness of holes with a diameter greater than 2mm, with a maximum depth of 9mm. It can also measure planes and cylinders.</p>
 Groove sensor (optional)	 <p>It can measure the surface roughness of grooves with a width greater than 2mm and a depth less than 3mm, or steps with a height less than 3mm. It can also measure the surface roughness of planes and cylinders.</p>
 Deep groove sensor (optional)	 <p>It can measure the surface roughness of grooves with a width greater than 3mm and a depth less than 10mm, or steps with a height less than 10mm. It can also measure planes and cylinders.</p>
 Extended deep groove sensor	 <p>It can measure the surface roughness of grooves with a width greater than 3mm and a depth less than 15mm, or steps with a height less than 15mm. It can also measure planes and cylinders.</p>
 Adapter rod (optional)	 <p>The machine can be moved laterally for measurement</p>
 Extension rod (optional)	 <p>The length of various sensors can be extended, which is beneficial for measuring deep holes</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
Measurement range (um)	Ra:0.005-12.5
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	0.001μm
Filter	RC, PC-RC, GAUSS, D-P
Sampling length	0.25mm,0.8mm,2.5mm
Evaluation length	Ln= lr *n (n=1-5)
Maximum drive stroke	17.5mm/0.7inch
Minimum drive stroke	1.3mm/0.052inch
Indication error	</=±10%
Indicating value variability	</=3%
Display mode	128*64 OLED
Overall dimension	140mmX52mmX48mm
Weight	412g
Work environment	-2o·c- 4o·c, Humidity< 90%RH
Principle	Inductive type
The needle	Diamond, 5 μm Needle tip radius
Measurement force	4mN(0.4gf)
Angle	90 degree
Guide radius	45mm

STANDARD CONFIGURATION

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

OPTIONAL ACCESSORIES

Curved sensor	TS 110
Groove sensor	TS 130
Extened Deep groove sensor	TS 131
Small hole sensor	TS 120
Extension Rod	RS 001
Transfer structure	RS 002
Measurement support frame	SR200-T1
Protective Cover	SR220-T2
Micro SD card	SD-422
Light test platform	TA320
Heavy test platform	TA620

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

AN ISO 9001 : 2015 CERTIFIED COMPANY

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TODAY
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