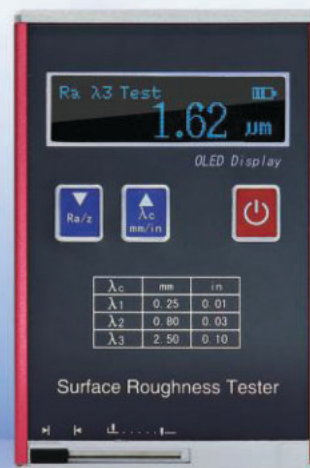


S220

Surface Roughness Tester

Standard Configuration

Host	1	Operating manual	1
Calibration block and bracket	1	Warranty card	1
Charger	1	Certificate of product	1
Data cable	1	Instrument case	1



Introduction

S220 is a new generation of Surface Roughness Tester Series. It features high accuracy, wide application, simple operation, portability and stable performance. The tester is widely used in measuring the surface roughness of various metals and non-metals. Its integrated structure of sensor and main body and hand-held design make it suitable to be used in production sites.

Features

- Shell used to pull aluminum mold design, durable, anti-electromagnetic interference ability significantly, in line with the design of the new trend.
- Using high-speed DSP processor for data processing and calculation, measurement and computation speed is greatly improved.
- Liquid crystal display wide temperature using OLED color display, popular high brightness, no visual angle, is suitable for various occasions.
- The lithium ion rechargeable battery, can work for a long time, no memory effect, can while charging, charging time is short, long battery life.
- Automatic shutdown function and low power design of software and hardware of the instrument with long working hours, suitable for field use.
- The surface roughness of metal and non-metallic.
- Pocket-size & economically price.
- Large measuring range suitable for most materials
- Optimized electric circuit design with transducer structure-design, high integrate power.
- It could test ex-circle, flat surface, conical surface and also test groove larger than 80*30mm.

- Using a dedicated charger or computer USB port for charging, convenient and quick.

Technical Specification

Model	S220
Testing parameters	Ra, Rz, Rq, Rt
Measuring range (um)	Ra, Rq: 0.05-15.0 Rz, Rt : 0.1-50.0
Sample length (mm)	0.25, 0.80, 2.50
Evaluation length(mm)	1.25, 4.0, 5.0
Stroke length (mm)	6
Indication accuracy	0.01
Indication error	±(7-10)%
Variability	<12%
Power	Rechargeable li-battery
Stylus static force:	≤ 0.016N
Force measuring rate of change	≤ 800N/m
Working temperature	-20 °C ~ 40 °C
Relative humidity	<90%
Weight of Host	200g
Size	106mm x70mm x 24mm

S360

Surface Roughness Tester

Standard Configuration

Host	1	Software	1
Standard Sensor	1	Adjustable support	1
Calibration block	1	Operating manual	1
Bracket	1	Warranty card	1
Charger	1	Certificate of product	1
USB charging cable	1	Instrument case	1



Introduction

Portable surface roughness tester allows surface roughness measurement both on metal and non-metal workpieces. It is suitable for machining and manufacturing, quality control, inspection departments, especially for measurement on large and heavy workpiece, assembly line, on site.

Features

- Electromechanical integration design, small volume, light weight, easy to use.
- Using DSP chip to control and data processing, high speed, low power consumption.
- 128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective.
- Intuitive and rich display information, can display all the parameters and graphics.
- Compatible with ISO, DIN, ANSI, JIS national standards.
- Residual quantity icon, prompting the user to charge.
- Continuous working time: more than 20 hours.
- Real-time clock settings and display, convenient data recording and storage.
- With automatic dormancy, automatic shutdown and power saving function.
- Reliable control motor to go dead circuit and software design.
- Measurement information display, menu prompt information, false information and switch machine and other tips that information.
- Optional different sensor, measuring platform, mini printer, extension rod and other accessories.

- Can be connected to a computer and printer.
- Bluetooth function; Can acquire, manage data by APP.

Technical Specification

Model	S360
Measuring range	Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx
Measuring range (μm)	Ra: 0.005-16.000 Rz: 0.02-160.00
Sample length (mm)	0.25, 0.80, 2.50
Evaluation length(mm)	(1-5)L
Maximum drive stroke	17.5mm/0.7inch
Indication accuracy	0.001
Indication error	±(7-10)%
Variability	<6%
Data Storage	100 groups
Power	Rechargeable li-battery
Working temperature	-20℃~40℃
Relative humidity	<90%
Size	141mm x 55mm x 40mm
Weight of Host	0.3kg

S520

Portable Surface Roughness Tester

Standard Configuration

Host	1	Adjustable support	1
Standard Sensor	1	Operating manual	1
Calibration block	1	Warranty card	1
Bracket	1	Certificate of product	1
Charger	1	Instrument case	1
Extension cable	1	USB charging cable	1
Touch pen	1		



Introduction

Portable surface roughness tester DANA-S520 allows surface roughness measurement both on metal and non-metal workpieces. It can be used on variety of machining parts and operates on various surfaces, not only flat but also outer cone, outer cylinder, curved, pinholes, grooves, recesses grooves and axle etc. It is suitable for machining and manufacturing, quality control, inspection departments, especially for measurement on large and heavy workpiece, assembly line on site. The DANA-S520 is a non destructive testing instrument, damage won't caused to testing piece.

Features

- Mechatronics and ergonomics design, small size, light weight, easy to operation .
- The stylus drive unit can be stored within the main unit for standard measurement, or separated from the display unit by using the supplied cable which allows more flexible measurement in any orientation. The driver can be separated and reattached in one simple step.
- DSP chip control and data processing, high speed, low power consumption.
- 22 Parameters: Ra ,Rz, Rq, Rt, Rp ,Rv, R3z, R3y, Rs, Rsk, Rz(JIS), Rsm, Rku, Rmr, Ry(JIS), Rmax,RPc, Rk, Rpk, Rvk, Mr1, Mr2 .
- Measurement range up to 160 μ m (can be optional to 320 μ m)
- 3.5 inches color graphic TFT touch screen, wide viewing angle, excellent readability and an intuitive rich display, it includes a backlight to improve visibility in dark.
- Environments.
- Can be operated using buttons or touch screen.
- It provide Bluetooth Capability , support wireless connection with mobile and mini printer.
- Built-in lithium-ion rechargeable battery and control circuit, high capacity, no memory effect, it works over 50 hours while fully charged, and there is remaining charge indicator, charging hint.
- Large capacity data storage, 100 item of raw data and curves can be stored.
- Real-time clock setting and display for easy data recording and storage.
- Reliable circuit and software design to preventing the motor stuck.
- All parameters or any of the parameters which set by users can be printed.
- Optional accessories: Bluetooth capability, curved sensor, pinholes sensors, measurement, stand, extension rod, printer.
- Portable Surface Roughness Tester complies with international standards ISO, DIN, ANSI, JIS.

Optional configuration of roughness meter

Roughness sensor



-Extension rod
Used to extend length of sensor when testing deep hole (55mm)



-Right angle
measuring mechanism



-standard sensor
plane & shaft & inner surface of hole>6mm, depth <22mm



-small hole sensor
cylindrical& plane & inner surface of hole>2 mm, depth <9mm



-sensor for curved surface
& plane, cylindrical, curvature radius>3 mm, work with platform



-sensor for deep groove
cylindrical & plane & groove width>3 mm, depth<10mm work with platform

Platform

-Metal (Al) working platform

Elevating, convenient and
stable for test process



-Marble substrate working platform

Elevating, V groove, high
accuracy to test tiny work piece



Printer



Mini Pinter
External printer

Test block



Roughness comparison block
High quality comparison
block of surface roughness
Strict anti-rust treatment process
27 comparison block/set