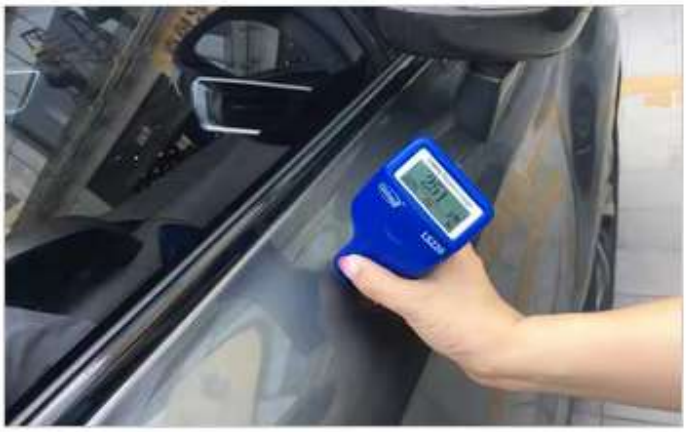
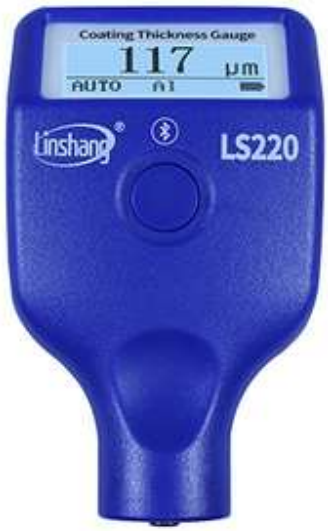
LS220 Automotive Paint Meter

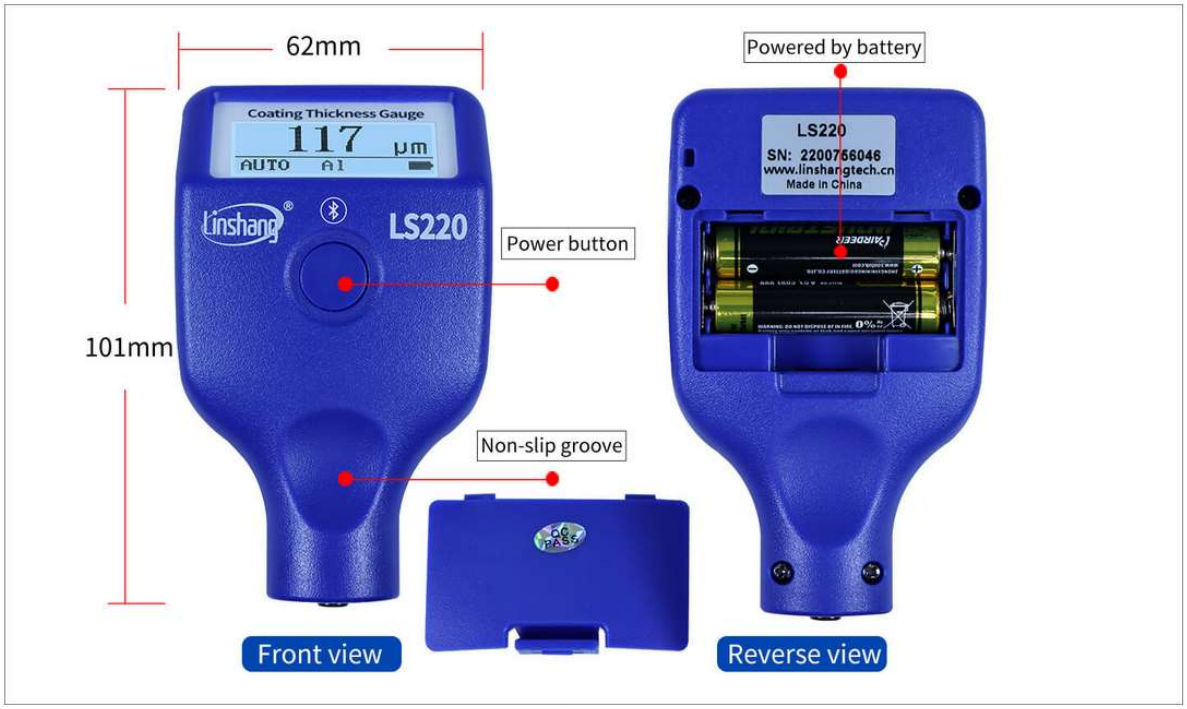
Identify metallic putty and iron galvanized body
Fast measurement, 0.5s measuring interval
Measuring car paint thickness on iron/aluminum substrates



Paint thickness gauge LS220



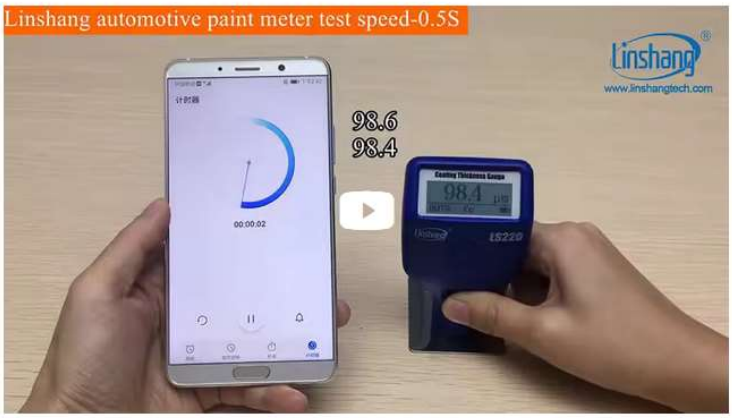
Parameter	LS220 Coating Thickness Gauge
Probe tip	Ruby fixed
Measuring principle	Fe:Hall Effect / NFe: Eddy current
Probe type	Built-in integrated probe
Measuring range	0.0-5000μm
Resolution	0.1μm/1μm/10μm
Accuracy	0-3000μm: ≤±(3%H+2μm), H is the standard value 3000-5000μm: ≤±(5%H+2μm), H is the standard value
Unit	μm / mil
Measuring interval	0.3s
Minimum measuring area	Ø = 25mm
Minimum curvature	Convex:5mm / Concave:25mm
Minimum substrate thickness	Fe:0.2mm / NFe:0.05mm
Language	Chinese, English, Russian, Turkish, Ukrainian, German
Display	128×48 dot matrix LCD
Power supply	2pcs of 1.5V AAA alkaline battery
Range of operation temperature	-20℃-50℃
Storage temperature range	-20℃-60℃
Host size	101*62*28 mm
Weight(with battery)	79 g



LS220 automotive paint meter

Fast measurement

The LS220 automotive paint meter has high-sensitivity probe, fast test speed. Measurement can be completed in 0.3 seconds

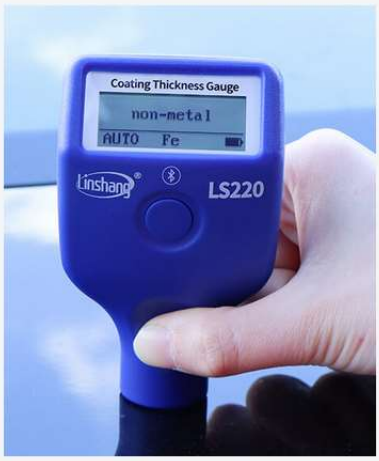


Dual-purpose car paint meter which can test iron and aluminum car body

he LS220 car paint thickness gauge uses dual-purpose probes, which are suitable for detecting the paint thickness on iron materials and also for detecting the paint thickness on aluminum materials. It can also recognizes non-metallic substrates

LS220 Car Paint Meter tests ferrous car body

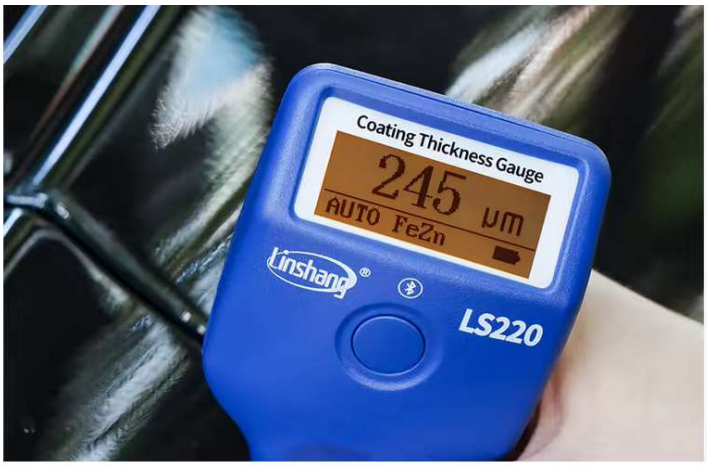
LS220 Car Paint Meter tests aluminum car body



LS220 Car Paint Meter tests non-metal car body

Detect the metallic putty quickly

If a car shell has been repaired with metallic putty, LS220 car paint meter can dig out it accompanied two buzzers.



Discover iron galvanized car body automatically

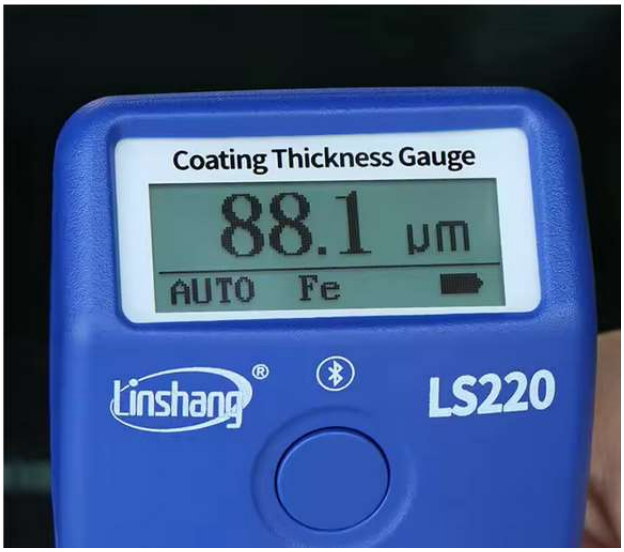
LS220 car paint meter can quickly discover iron galvanized car body, anti-corrosion body, which can help sellers pitch more cars.

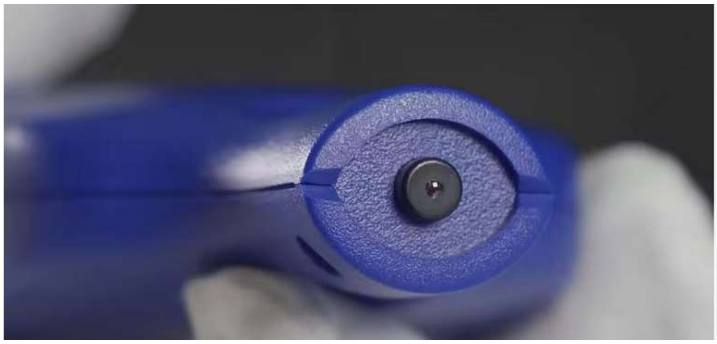
Complimentary mobile app for test report generation.

Equipped with Bluetooth data transfer, it seamlessly connects to the mobile app for online operation. Test data can be generated into a report, which can be saved or shared.

LCD high-definition Screen

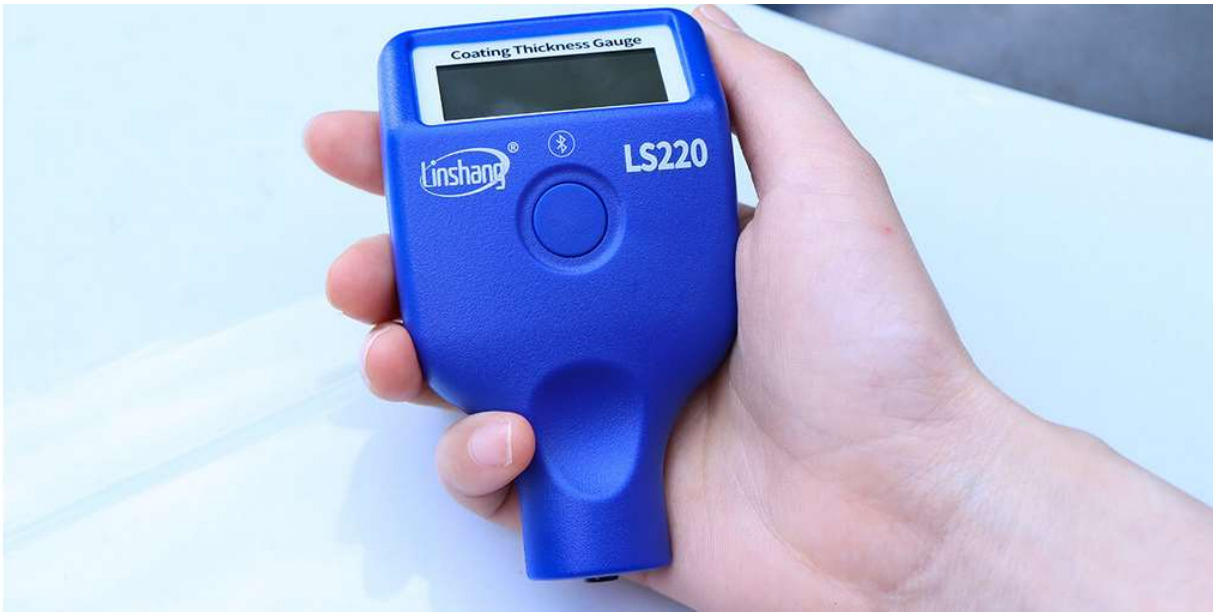
This automotive paint meter uses an industrial-grade LCD screen, which can be used in bright light environments.





Durable ruby probe

Wear-proof ruby probe tip for long-term use with strong corrosion and abrasion resistance



With temperature compensation function these sensors are unsusceptible to interference

Automatic shutdown with no operation for 3 minutes to save energy

Six display language can be switched

No calibration is needed just simple zero adjustment to ensure the measurement accuracy

Qualifications and Standards

1. LS220 automotive paint meter conforms to the following standards

- *GB/T 4956-2003 Non-magnetic Coatings on Magnetic Substrates-Measurement of Coating Thickness-Magnetic Method*
- *GB/T 4957-2003 Non-conductive Coatings on Non-magnetic Basis Metals-Measurement of Coating Thickness-Eddy Current*
- *DIN EN ISO 2808 Paints and Varnishes-Determination of Film Thickness*
- *JJG-818-2005 Verification Regulation of Magnetic and Eddy Current Measuring Instrument for Coating Thickness*

I. Linshang Paint Thickness Gauge Selection Table

Model	LS220	LS230	LS236	LS237	LS238	LS239
Appearance						
Measurement Model	Simple					Simple/Expert
Display	128×48 dot matrix LCD	128×48 dot matrix low temperature resistant OLED	Front: 128×48 dot matrix LCD Top: 128×64 dot matrix OLED	128×48 dot matrix LCD	128×48 dot matrix LCD	192×64 dot matrix LCD
Working Temperature	-20℃~50℃	-40℃~50℃	-40℃~50℃	-20℃~50℃	-20℃~50℃	-20℃~50℃
Identify metal putty	Support					
Identify iron galvanizing	Support					
Bluetooth & APP	Support					
Probe	Ruby					
Measurement principle	Fe:Hall Effect / NFe:Eddy current					
Measurement range	0-5000μm					
Measurement interval	0.5s					
Unit	μm and mil					
Language	English, Russian, Turkish, Ukrainian, Chinese,German					
Accuracy	≤±(3% reading+2μm)					
Resolution	0.1μm: (0μm-99.9μm) 1μm: (100μm-3500μm)					
Minimum radius of curvature	Convex:Ø5mm / Concave:Ø25mm				Convex:Ø5mm / Concave:Ø15mm	Convex:Ø5mm / Concave:Ø25mm
Minimum substrate thickness	Fe:0.2mm / NFe:0.05mm					
Power supply	2 pcs of 1.5V AAA alkaline battery			Rechargeable lithium battery 3.7V@1200mAh		
Proble type	Integrated				External cable probe	Integrated