

Economical all-in-one iron-based coating thickness gauge



IPS full color screen



0.3s response



Temperature compensation



Long battery life

YT5200

YT5200 coating thickness gauge is a domestic coating thickness gauge with independent intellectual property rights, which can quickly and accurately non-destructively detect the thickness of various non-magnetic coatings coated on ferromagnetic metal substrates according to the magnetic method.

PRODUCT FEATURES

- 1.Support Zero Point, single point, five points
Support a variety of calibration methods, testing more convenient, to meet the needs of higher test accuracy
2. Multiple ways to locate
Standard multi-positioning plate, in large arc positioning, small arc positioning, plane positioning has more advantages, more accurate measurement.
- 3.IPS pure color screen, smooth operation, large storage capacity
- 4.Measurement mode rich
Coating thickness tester YT5200 has basic mode, quality control mode, continuous mode, statistical mode for choice, to adapt to more test scenarios
- 5.The radius of convex plane and concave plane
Precisely measured at 5mm and 10mm respectively
- 6.High sensitive probe
Independently developed high sensitive probe response speed, testing more accurate
- 7.Support Bluetooth, mobile APP, WeChat applet more extended functions
It can transmit measurement data to mobile phone through Bluetooth, edit and process corresponding data, and output test report.

APPLICATION INDUSTRY

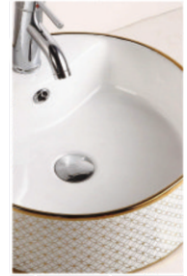
Fe-based probes can detect the thickness of various non-magnetic coatings sprayed on various magnetic substrates (such as steel), such as paint layer, powder coating layer, porcelain coating layer, chrome plating layer, copper plating layer, galvanized layer of iron plate Wait.



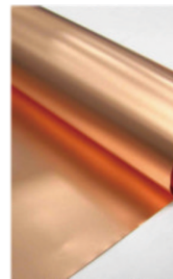
Paint layer



Powder layer



Porcelain coating



Copper plating



Zinc coating



Chrome plating

TECHNICAL SPECIFICATIONS

Model: YT5200

Product Name: Economical integrated iron-based coating thickness gauge

Standard: ASTM B499,ASTM D1400, ASTM D709;
ISO 2178,ISO 2360, ISO 2808;GB/T 4956,
JB/T 8393

Matrix: Fe

Probe type: Integrated

Positioning structure: Multiple localizer

Resolution: 1μm

Measurement range: 0~2000μm

Measurement accuracy: zero calibration:±(3%H+1)μm ;
Two point calibration:±(1~3%H+1.5)μm ;
note: H is the sample thickness

Display screen: IPS Full color screen, 1.14inch

Interface: Type C USB;Button

Stored data: One thousand

Battery capacity: Lithium-ion battery, fully charged,
one-time continuous test 10000

Measurement mode: Basic Model, quality control model,
continuous model, statistical model

Minimum measurement size: 10×10mm

Minimum measurement thickness: Magnetic:0.2mm

Minimum curvature: Convex radius 5mm; concave radius 10mm

Unit: μm/mil

Size: 107×50×20mm

Weight: 65g

Software Support: WeChat applet,HarmonyOS,Windows,Android,IOS

Standard accessories: 1 base (iron base), wrist strap, Wipe cloth,
USB cable, Positioning film, calibration film

Optional accessories: Printer, 5V-2A Power adapter

GUANGDONG THREE NH TECHNOLOGY CO., LTD.



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Test Charts



Light Booths

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