



3nh Global

# Economical All-in-One Aluminum Base Coating Thickness Gauge



IPS full color screen



0.3s response



Temperature compensation



Long battery life

## YT5280

YT5280 coating thickness gauge is a domestic coating thickness gauge with independent intellectual property rights, which can quickly and accurately measure the thickness of various insulating layers coated on non-ferromagnetic metal substrates according to the eddy current 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, We chat 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

NFe-based probe detects the thickness of all insulating coatings sprayed on non-magnetic metal substrates (such as aluminum, copper, brass, stainless steel, etc.), such as paint layer, powder coating, ceramic coating, etc.



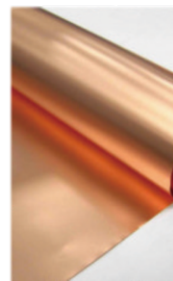
Paint layer



Powder layer



Porcelain coating



Copper plating



Zinc coating



Chrome plating

## TECHNICAL SPECIFICATIONS

**Model:** YT5280

**Product Name:** Economical integrated aluminium-base coating thickness gauge

**Standard:** Astm b499,astm d1400,astm d709;  
Iso 2178,iso 2360,iso 2808;  
Gb/t 4956,jb/t 8393

**Matrix:** NFe

**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:** Non-magnetic:0.05mm

**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 (Aluminium Matrix), wrist strap, Wipe cloth,  
USB cable,Positioning film, calibration film

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

## GUANGDONG THREENH TECHNOLOGY CO., LTD.



Spectrophotometers



Colorimeters



Haze Meters



Gloss Meters



Test Charts



Light Booths

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