

# SPLIT DUAL-PURPOSE COATING THICKNESS GAUGE



3nh Global

## YT8300

### Features

- ✓ Support magnetic and non-magnetic substrate coating measurement
- ✓ Quick response, 0.3S results
- ✓ Backlight display, can be seen at night
- ✓ Large storage space
- ✓ IPS color screen, the test results are more intuitive
- ✓ Rugged housing with IP65 protection grade



# YT8300

## Application

YT8300 coating thickness gauge is a domestic coating thickness gauge with independent intellectual property rights, which can quickly and accurately measure the thickness of various coatings on metal substrates.

The instrument fully complies with the testing principles of magnetic method and eddy current method stipulated by ISO 2178, ISO2360, GB/T 4956, GB/T 4957, ASTM B499 and other standards.

The instrument has accurate measurement, large test range, multiple calibration modes, multiple measurement modes, convenient positioning and powerful functions. It is widely used in surface engineering inspection fields such as manufacturing, metal processing, and chemical industries. Basic equipment.

- ▶ For manufacturers and end users of all coated product types
- ▶ Car manufacturing and used car inspection
- ▶ Plating and Paint Shop
- ▶ Chemical industry
- ▶ Shipbuilding, aviation, plant and mechanical engineering

The YT8300 coating thickness gauge is not only suitable for vehicle inspection, but also suitable for industrial applications due to its rugged IP65 protection level. The measurement data of the instrument can be transferred to the computer for storage and management by using the supplied USB data cable. In addition, the YT8300 coating thickness gauge adopts ergonomic design, which is comfortable to use, simple to use and easy to operate.

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, ceramic coating layer, chrome plating layer, copper plating layer, galvanized layer of iron plate Wait.

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.



## PRODUCT FEATURES

1. Large range 3000 $\mu$ m  
Maximum measurement thickness 3000  $\mu$ m
2. Support Zero Point, single point, five points  
Support a variety of calibration methods, testing more convenient, to meet the needs of higher test accuracy
3. IPS pure color screen, smooth operation, large storage capacity
4. Measurement mode rich  
Coating thickness tester YT8300 has basic mode, quality control mode, continuous mode, statistical mode for choice, to adapt to more test scenarios
5. Non-destructive testing, automatic identification of substrate type coating thickness Tester  
YT8300 can automatically identify magnetic, non-magnetic substrate, non-destructive testing does not harm samples, enhance the detection speed
6. The radius of convex plane and concave plane  
Precisely measured at 5mm and 10mm respectively
7. High sensitive probe  
Independently developed high sensitive probe response speed, testing more accurate
8. Support Bluetooth, more mobile APP extensions  
Can be instant through Bluetooth measurement data transfer to the hands of the APP, the corresponding data editing and processing, 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, ceramic coating layer, chrome plating layer, copper plating layer, galvanized layer of iron plate Wait.

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

Ceramic layer

Chrome plating

Copper plating

Zinc coating

Other

## TECHNICAL SPECIFICATIONS

**Model:** YT8300

**Product Name:** Standard Edition YT8300 split dual-use coating thickness gauge

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

**Matrix:** Fe/NFe

**Probe type:** Split dual-use

**Resolution:** 0.1 $\mu$ m

**Measurement range:** 0~3000 $\mu$ m

**Measurement accuracy:** zero calibration:  $\pm(3\%H+1)\mu$ m ;  
Two point calibration:  $\pm(1\sim3\%H+1.5)\mu$ m ;  
note: H is the sample thickness

**Display screen:** IPS Full color screen, 1.14inch

**Interface:** Type C USB;Bluetooth;Button

**Stored data:** 3,500, massive storage via mobile APP

**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:** Magnetism: 10 $\times$ 10mm;  
Non-magnetic: 10 $\times$ 10mm

**Minimum measurement thickness:** Magnetism: 0.2mm  
Non-magnetic: 0.05mm

**Minimum curvature:** Convex radius 5mm; concave radius 10mm  
**Unit:**  $\mu$ m/mil

**Size:** 102 $\times$ 50 $\times$ 20mm(Probe head $\varnothing$ 18 $\times$ 69)

**Weight:** 80g

**Software Support:** WeChat applet, HarmonyOS, Windows, Android, IOS  
**Standard accessories:** 2 base (Aluminium Matrix and Iron 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

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Test Charts

Light Booths

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