THICKNESS GAUGE

YT8500 coating thickness gauge fully complies with the test principles of magnetic method and eddy current method stipulated by ISO 2178, ISO 2360, GB/T 4956, GB/T 4957, ASTM B499 and other standards.

IPS full color screen	Quick measurement	Temperature compensation	Long battery life

THICKNESS GAUGE

The instrument fully complies with ISO 2178, ISO 2360, GB/T 4956, GB/T 4957, Test principles of magnetic method and eddy current method specified by ASTM B499 and other standards.

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.

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 layers, powder coatings, ceramic coatings, etc.

1. Simple operation and fast test speed
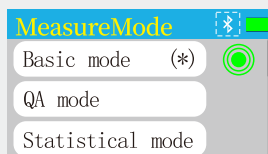

2. Large range 5000μm

3. Support zero-point, single-point, five-point calibration

4. IPS pure color screen, red and green LED indicators, buzzer sound, large storage capacity

5. The coating thickness gauge has basic mode, quality control mode, continuous mode and statistical mode to choose from, adapting to more test scenarios

6. The coating thickness gauge can automatically identify magnetic and non-magnetic substrates

7. Accurately measure the surface plane, the convex surface radius is 5mm; the concave surface radius is 10mm
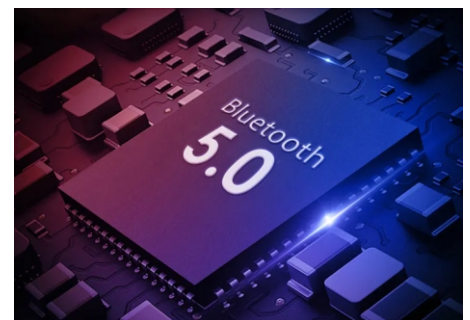

8. Highly sensitive probe

9. Manual/automatic shutdown function, automatic shutdown without operation for a long time to save power

10. Support Bluetooth, more extended functions of mobile APP

11. IP65 level protection, durable, anti-drop, anti-shock

SPLIT COATING

ALL-IN-ONE COATING

SPECIFICATION PARAMETER

Model	YT5200	YT5280	YT6300	YT6500
Product name	Economical integrated iron-based coating thickness gauge	Economical integrated aluminium-base coating thickness gauge	Standard Edition for integrated dual-purpose coating thickness gauge	Professional Edition All-in-One Coating Thickness Gauge
Standards	ASTM B499, ASTM D1400, ASTM D709, ISO 2178, ISO 2360, ISO 2808, GB/T 4956, JB/T 8393			
Matrix	Fe	NFe	Fe/NFe	Fe/NFe
Probe type	Integrated			
Positioning structure	Multi-position piece			
Resolution	1μm		0.1μm	
Measurement range	0~2000μm		0~3000μm	0~5000μm
Measurement accuracy	zero calibration: $\pm(3\%H+1)$μm; Two point calibration: $\pm(1\sim3\%H+1.5)$μm; note: H is the sample thickness			
Display screen	IPS Full color screen, 1.14inch			
Interface	Type C USB; Bluetooth; Button			
Stored data	1000 Pcs		2,000Pcs, APP storage extension	3,500Pcs, APP storage extension
Battery capacity	Lithium-ion battery, fully charged, one-time continuous test 10000			
Measurement mode	Basic Mode, Quality Control Mode, Continuous Mode, Statistics Mode			
Minimum measurement size	10×10mm		Magnetic: 10×10mm; Non-magnetic: 10×10mm	
Minimum measurement thickness	Magnetic: 0.2mm	Non-magnetic: 0.05mm	Magnetism: 0.2mm; 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, Hongmeng, Windows, Android, IOS			
Standard accessories	1 Base (iron base), Wrist strap Wipe cloth, USB cable, positioning sheet, alignment sheet	1 Base (aluminium matrix), Wrist Strap, Wipe cloth, USB cable, positioning sheet, alignment sheet	2 Base (Aluminium Matrix and Iron Matrix), wrist strap, Wipe cloth, USB cable, A standard set, positioning sheet, alignment sheet	
Optional accessories	Printer, 5V-2A Power adapter			

THICKNESS GAUGE

SPECIFICATION PARAMETER

Model	YT8200	YT8280	YT8300	YT8500
Product name	Economical split type iron-based coating thickness gauge	Economical Split Aluminum Base Coating Thickness Gauge	Standard Split Dual-purpose Coating Thickness Gauge	Professional Edition Dual-purpose Coating Thickness Gauge
Standards	ASTM B499,ASTM D1400, ASTM D709, ISO 2178,ISO 2360, ISO 2808, GB/T 4956,JB/T 8393			
Matrix	Fe	NFe	Fe/NFe	Fe/NFe
Probe type	Split type			
Positioning structure	\			
Resolution	1μm		0.1μm	
Measurement range	0~1500μm		0~3000μm	0~5000μm
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;Bluetooth;Button			
Stored data	1000Pcs		2,000Pcs, APP storage extension	3,500Pcs, APP storage extension
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		Magnetic: 10×10mm; Non-magnetic: 10×10mm	
Minimum measurement thickness	Magnetic：0.2mm	Non-magnetic：0.05mm	Magnetic: 0.2mm; Non-magnetic: 0.05mm	
Minimum curvature	Convex radius 5mm; concave radius 10mm			
Unit	μm/mil			
Size	102×50×20mm(Probe headØ18x69)			
Weight	80g			
Software support	WeChat applet, Hongmeng, Windows, Android, IOS			
Standard accessories	1 base (iron base), wrist strap, Wipe cloth, US cable, positioning sheet, alignment sheet	1 piece of base (aluminum base), wrist strap,Wipe cloth, USB cable, positioning sheet, alignment sheet	2 bases (iron base, aluminum base), wrist strap, wiping cloth, USB data cable, a set of calibration sheets,positioning sheet, alignment sheet	
Optional accessories	Printer, 5V-2A power adapter			

SPECIFICATION PARAMETER

YT5100 (Single positioning piece) & YT5110 (Multi-position piece)

Product name	Entry-level integrated iron-based	Battery capacity	Lithium-ion battery, fully charged, one-time continuous test 10000
Standards	ASTM B499,ASTM D1400, ASTM D709, ISO 2178,ISO 2360, ISO 2808, GB/T 4956,JB/T 8393	Measurement mode	Basic Model
		Minimum measurement size	10×10mm
Matrix	Fe	Minimum measurement thickness	Magnetic：0.2mm
Resolution	1μm	Minimum curvature	Convex radius 5mm; concave radius 10mm
Measurement range	0~1250μm	Unit	μm/mil
Measurement accuracy	Zero calibration:±(3%H+1)μm; note: H is the sample thickness	Size	102×50×20mm(Probe headØ18x69)
		Weight	65g
Display screen	IPS Full color screen, 1.14inch	Software support	\
Interface	Type C USB;Button	Standard accessories	1 base (iron base), wrist strap, Wipe cloth, USB cable, Positioning pieces (only YT5110)
Stored data	100Pcs	Optional accessories	Printer, 5V-2A power adapter, calibration sheet