

MODEL: WT2110

COATING THICKNESS GAUGE INSTRUCTION MANUAL



Version: WT2110-EN-00

b. Press the instrument lightly on the substrate as instruction at the bottom of the screen.
 c. The instrument will automatically calibrate to zero

point.

A "Calibration complete" will show up at the bottom of the screen and the instrument will return to the previous interface.

After calibration is complete, you can go back to measurement interface and perform measurements.

Note: If the measured value turns to silver gray after zero calibration, the measured value will be displayed as silver gray when the original zero point is measured again.

G. Calibration Operations

- Enter limit value interface to select limit value adjustment.
 Adjust high limit value according to the according to
- Adjust high limit value according to the screen instruction. Short press Up/Down button to or long press Up/Down button 3. Short press Up/Down button to or long press Up/Down button to adjust high limit value.
 4. After adjusting high limit value, press OK button and then start adjusting low limit value.
 5. Short press Up/Down button to adjust low limit value or long press Up/Down button to adjust low limit value.
 6. After adjustment is complete, press OK button to go back to previous interface.

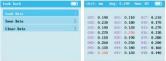
H. Storage Management

- 1. Review: a. Press OK button under measurement interface to enter into
- review menu.

 b. Choose Check function under Review menu to view the last measured 100 data.

 c. Choose Saye function under Review menu to save the measured data (the last 100 data).

 d. Select Clear function under Review menu to clear the measured data.



- Data browsing:
 The title bar of browsing interface displays selected unit, average value, and the number of saved data.
 The maximum and minimum values of saved data are marked in red.

A Introduction

This product is a color-screen portable coating thickness gauge In is product is a coior-screen portaine coating mickness gauge with high-definition display, which can quickly, non-destructively and accurately measure non-magnetic coating thickness on magnetic metal substrates and non-metallic coating thickness measurement on non-magnetic metal substrates. At the same time it can a utomatically identify magnetic metal substrate and non-magnetic metal substrate and non-magnetic metal substrate, and is widely used in manufacturing, metal processing industry, chemical industry, commodity inspection and other testing areas.

B. Functions

- Menu operation and colo-screen HD display.
 Thickness measurement of non-magnetic coating on magnetic metal substrate surface and non-metallic coating on non-magnetic metal substrate
 Two measurement methods: single measurement, continuous

- measurement.

 Three calibration modes: basic, offset, zero calibration.

 Metric/imperial unit and storage function.

 Screen rotation, charge protection, multi-interface displays, screen brightness selection.

 Automatic shutdown.

C. Name of Parts

- ① Up button: switch measurement modes/ increase calibration data
- 2 Down button: switch measurement units and reduce calibration data 3 Menu and On/Off

-2-

d. The data column above or below alarm value is red.
e. The black line and data at the top are the interval of histogram.
3. Storage space:
a. The storage space is divided into 100 storage areas. Each storage area can store up to 15 data will occupy one storage area, and data storage with more than 15 data and less than 100 data will occupy multiple storage areas.

1. Press Up/Down button under measurement interface to switch

measurement view.

2. If a measurement view is set to be closed, this view is skipped when you press Up/Down button under measurement interface.

3. If measurement i view options are all off, the instrument automatically opens measurement view options.

In the lower part of histogram displays icon of data, and the set high and low alarm values are in the middle.

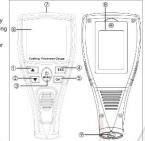
The data column above or below

I. Measurement View

K. Technical Parameters

J. Settings

- (5) Confirm
- 6 LCD display
- ① USB charging ⑥-
- interface ® Battery door
- Test probe



D. Description of charging function

- 1. Battery life indicator*

 2. Normal charging
 3. Charging complete*

 4. Charging without battery*

 5. During charging, the product has temperature protection, with protection range 3 °C 45 °C or so. If the temperature is out of protection range,

 will show up and charging will be stopped.
- shutdown, the meter screen will light up for 1 second every 10

Warning: The charging function is only for rechargeable batteries.

E. Measurement Interface Instruction

- 1. Measurement Instruction: After turning on the instrument, lightly
- b. Yellow number is the measured thickness. c.Num is the times of
- measurement.
 d.SNG is the selected measurement mode (SNG is single measurement and CTN is continuous measurement).
 e.Fe on the upper right is the measured substrate (Fe is for magnetic metal substrate;
- nFe is a non-magnetic metal
- substrate).

 f.The green icon on the lower right is measurement unit.

 Measured values and trend chart.
- chart: . The trend chart below is the
- high and low limit values

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- 6.If charging temperature exceeds the protection range during

Disposable batteries is prohibited from charging!

- 1. Measurement Instruction: After turning on the instrupress the test probe on the tested substrate under measurement interface. The measured value is the thickness of coating on the substrate.

 2. Measured Values:
 a. The tille bar shows the tille and battery state of the interface.
- The trend chart shows the
- Measured Values and Statistics
 Dif :Difference value compared
 to the last measurement
 b. Avg:Average value
 Max:Maximum value
 a.
- d. Min:Minimum value e. High:High limit

L. Menu Chart

- h. CV%:coefficient of variation rs. Lv. x-coefficient of variation
 Note: The standard deviation and coefficient of variation are
 calculated for the last 100 measured data.

 S. Measured values vs. past
 values view:

 12 measured data.

 Nam. 21

 Nam. 21

- 6. Measured Values and Bar
- Graph: a.The bar graph shows the
- range. b.The bar chart shows the high and low limits
- sured data forms up green bar graph in the range of
- high and low limit values.

 d.The measured data froms up red bar graph when exceeding high and low limits.



F. Calibration Operation

- Basic calibration:
 Prepare the calibration plate and calibration base, enter
- Prepare the calibration plate and calibration base, enter calibration menu and select basic calibration.
 According to the instrument instruction, place the corresponding calibration plate for calibration.
 C. After calibration is completed, "calibration complete" will show up at the bottom of the screen and the instrument will return to the previous interface.
 C. After the calibration is complete, you can go back to measurement interface and perform measurement.
 C. Offset Calibration:
 a. Enter calibration is menu and select Offset Calibration.
 Measure the bickness of single point by following the

- Measure the thickness of single point by following the instruction at the bottom of the screen.
 Pick up the instrument and press Up/Down button to adjust the
- value.

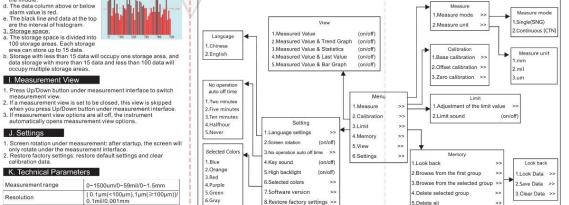
 d. Press OK when the adjustment is completed. "Calibration complete! will show up at the bottom of the screen and the instrument will return to the previous interface.

 e. After the calibration is complete, you can go back to measurement interface and perform measurements.

 3. Zero Calibration:

 a. Enter calibration menu and select zero calibration.





Measurement range		0~1500um/0~59mil/0~1.5mm	
Resolution		(0.1µm(<100µm),1µm(≥100µm))/ 0.1mil/0.001mm	
Measurement error		≤150µm ±5µm	
		>150µm ±(3%H+1µm)	
Minimum diameter of magnetic metal substrate		12mm	
Minimum thickness of magnetic metal substrate		0.5mm	
Minimum radius of curvature for magnetic convex substrate		2mm	
Minimum radius of curvature for magnetic concave substrate		11mm	
Minimum diameter of non- magnetic metal substrate		50mm	
Minimum thickness of non- magnetic metal substrate		0. 5mm	
Battery	3x1.2V NiMH battery	y (weight 36.5g) or 5V1A power adapter	
Size	70.30*38.6*149.59mm		
Weight	136 9(including battery)		

M. Attention

- 1. Keep the probe away from the measured substrate when starting
- up.
 2. After startup, ERR1 or ERR2 indicates probe error.
 3. After startup, ERR1 or ERR2 indicates substrate error.
 4. During measurement, "----" indicates that the substrate is not calibrated.

 2. **Indicates data overflow.
- During measurement, "-OL-" indicates data overflow.



Our company shall hold no any responisibility resulting from using output from this product as an direct or indirect evidence.

without notice.

5.Delete all

We reserves the right to modify product design and specification C +982165565901 © +982144584619



TIPS: Thisdeviceisequippedwithrechargeablebattery.lfyou

withtheadapterforchargingbeforeuse

receivetheproductandcannotstartup,pleaseconnect

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