

## WH92

This device is a split-type colorimeter and our latest launched. Its more smart and suitable for small part or inconvenient place testing. The device use both Magnetic Method to measure the non-magnetic coating on a magnetic metal substrate and Eddy Current Method to measure the non-conductive coating on a non-magnetic metal substrate.

### Magnetic Method (F-type probe)

When the probe contacts the cover layer, the probe and magnetic substrate forms a closed magnetic circuit; Due to the presence of non-magnetic coating, magnetic resistance changes. The thickness of the cover layer can be derived by measuring the change..

### Eddy Current Method (NF-type probe)

When the probe contacts the cover layer, the probe and non-magnetic substrate forms Eddy Current and gives feedback to the coil inside the probe. The thickness of the cover layer can be derived by measuring the feedback.



# Coating Thickness Meter

## Features

1. Thickness measurement using both Magnetic Method to measure the non-magnetic coating on a magnetic metal substrate and Eddy Current Method to measure the non-conductive coating on a non-magnetic metal substrate.
2. Single-point or two-point method could be used to correct probe system deviation, in order to ensure the accuracy of the device in the process of measuring.
3. Automatic identify ferrous and non-ferrous substrate quickly.
4. Power voltage indicator.
5. Speaker beep while operating.
6. Power-off automatically when idle; manually power-off available.
7. Negative display function to ensure the accuracy of zero point calibration.



# Coating Thickness Meter

## Specification

Model	WH92
Principle	Magnetic Method (F-type probe)& Eddy Current Method (NF-type probe)
Range	0-1250um
Accuracy error	zero calibration $\pm (1 + 3\% H)$ ; two-point calibration $\pm [(1\% \sim 3\% H)] H + 1.5$
Power	2 * AA battery
Unit	Um/mil
Temperature	0-40 °C
humidity	$\leq 85\%$
Minimum substrate	10 * 10mm
Minimum curvature	5mm convex; 5mm concave
Thinnest substrate	0.4mm
Weight	99g
Size	110mm * 65mm * 30mm

