

# Coating Thickness Gauge $\pm(1\%H+1)$ Tolerance

This coating thickness gauge is a precision instrument for non-destructive measurement of coating thickness on various substrates. It utilizes electromagnetic induction or eddy current principles to accurately determine the thickness of coatings applied to metal surfaces with a tolerance of  $\pm(1\%H+1)$ .



## Overview

### Precision Coating Thickness Measurement

This high-precision coating thickness gauge utilizes magnetic induction principles to accurately measure non-magnetic coatings on magnetic substrates, such as paint or enamel on iron. It features advanced statistical analysis capabilities, including mean, max, min, and standard deviation calculations, with memory storage for up to 10,000 data points. Designed for versatility, it offers both direct and batch working modes, as well as single and continuous measurement options to suit various industrial quality control requirements.

## Measurement Capabilities

Measuring Range	1500 $\mu\text{m}$
Minimum Resolution	0.1 $\mu\text{m}$
Tolerance	$\pm(1\%H+1)$
Working Principle	Magnetism induction

## Measurement Conditions

### Measurement Requirements

Parameter	Value
Min. Curvature Radius	1.5 mm
Min. Area Diameter	7mm
Critical Base Thickness	0.5 mm

## Features

### Working Modes

Direct • Batch • Continue • Single

### Key Features

Magnetic Induction, Data Storage, Statistical Analysis, Alarm Function, Printing Capability

## Physical Specifications

### Weight

**400 g**

Main Unit Weight

### Dimensions

203.4 x 92.1 x 52.1 mm

## Power & Environment

Power Source	Li Battery 3.7V 2200mAh
Operating Temperature	10 - 30

## Standard Delivery

### Package Contents

- Main unit
- Probe
- Substrate
- Calibration foil
- Charger
- Certificate
- Warranty card
- Instruction manual