

150

MODEL



150 MODEL: FOR PAINT & POWDER COATINGS

Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement.

The 150 Model features dual measurement technology that automatically detects either ferrous or non-ferrous substrates and then employs the correct test method. Useful in a wide variety of settings, the 150 measures non-conductive coatings over non-ferrous substrates and non-magnetic coatings over ferrous substrates.

This small, versatile, single-handed gauge, equipped with a belt clip for portability, has a rugged, durable design that allows you to take it into the harshest conditions.

Simple to use, no operator training is necessary as the 150 features one-button operation and requires no calibration or resetting between measurements.

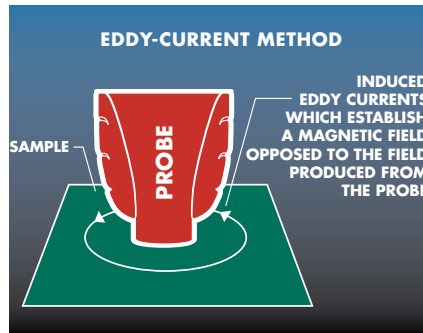
With the 150, you have a complete package—a high-quality yet economical design. To ensure you receive the most value from our gauges, we also provide comprehensive customer service with all of our products.

MEASUREMENT TECHNOLOGY:

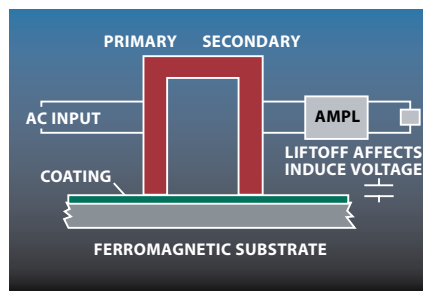
This gauge automatically detects the underlying substrate and employs the correct test method, eddy current or magnetic induction. No operator training necessary.

The eddy current test method

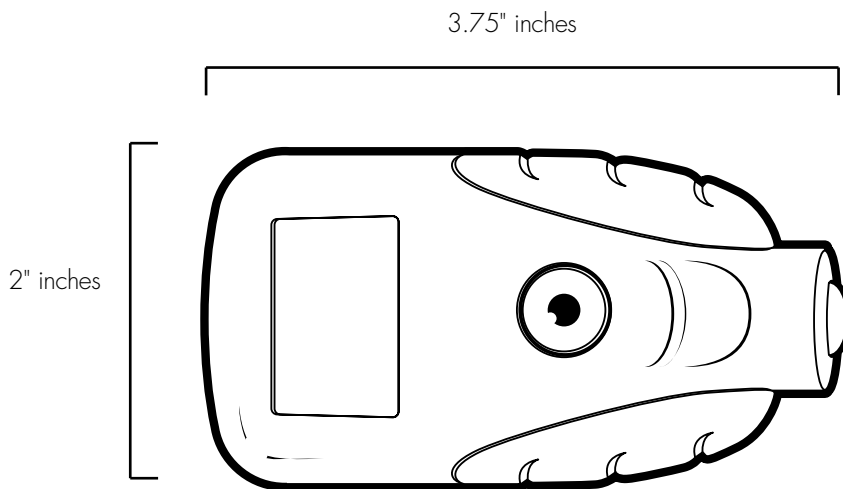
measures non-conductive and non-metallic coatings over non-ferrous metals. Applications include teflon, enamel, epoxy, anodize, or paint over aluminum or copper.



Magnetic induction measures the thickness of a non-magnetic coating, such as zinc, cadmium, paint, or powder coating over a steel substrate. The probe functions as a transformer circuit that reacts to the presence of a magnetic material. The circuit efficiency and output voltage increases when the probe comes near magnetic surfaces, providing parameters to determine coating thickness.



DIMENSIONS:



PACKAGE CONSISTS OF:

- 150 Model
- Quick Start Card
- Mobile Case with Belt Clip
- Check Standard
- Demo Base Steel

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SPECIFICATIONS:

Automatic Substrate Recognition

No Calibration Required

Base Corrections Capable

Accuracy: +/- (2µm + 3% of reading)
or +/- (0.1mils + 3% of reading)

Magnetic Induction: Conforms to methods
ASTM B499 & B530, DIN 50981, ISO 2178
and BS 5411 Parts 9 & 11

Eddy Current: Conforms to methods
ASTM B244 & B529, DIN 50984,
ISO 2360 and BS 5411 Part 3

Measurement Ranges:

Magnetic: 0–80mils (0–2.04mm)

Eddy Current: 0–40mils (0–1.02mm)

Resolution: 0.01mils (0.25µm) below
10mils (254µm)

**Min. ferrous and non-ferrous substrate
thickness:** 12mils (305µm)

Dimensions: 3.75" (L) x 2" (W) x 1" (D)
(9.53 (L) x 5.08 (W) x 2.52 (D) cm)

Weight: 2.5 oz (71 g)

Units: Automatic conversion between English
and metric with a keystroke

Battery: 2 AAA

Auto ON/OFF to extend Battery Life



The small, versatile, single-handed 150 automatically detects ferrous and non-ferrous substrates as it self-selects the correct test method.



The 150 is conveniently equipped with a belt clip for portability.

OXFORD
INSTRUMENTS

**Coating
Measurement**