



# SONACOAT EASY F & FN

- Low cost, easy to use Coating Thickness Gauges.
- Fast and precise measurement.
- Integrated Transducer.
- F Model for Non-Magnetic Coatings on Steel Only.
- FN model also measures non-conductive coatings on Non-Magnetic Metals with automatic substrate recognition.
- Wide Measuring Range up to 3,500  $\mu\text{m}$ .
- Selectable units  $\mu\text{m}/\text{mils}$ .
- No Calibration needed on flat surfaces.
- Switch on and use instantly.
- Online Statistics (n, mean, SD, Max,Min).
- Simple menu structure.
- Audible measurement confirmation.
- Standard AAA batteries.
- Auto power off.

**Optimized for simple applications,  
providing reliable results,  
minimal set up requirements  
or training.**

Ideal applications include:

- Paint and Powder Coating measurement.
- Verification of Zinc layer under Paint (FN).
- Paint or plating shops.
- Aircraft Paint load analysis.
- Incoming Material Inspection.
- Coating Assessment before thickness inspection.
- Automotive and ship building.
- Vehicle Inspection and repair.
- Measurement of shim/film thickness with conductive backing.



**Coating Thickness Gauge**

**Keeping it simple!**

**Ideal for varnish, paint, chrome on all metals.**



# SONACOAT EASY F & FN Specifications

Device type: Coating thickness gauge with integrated probe.

Gauge Versions: Sonacoat Easy F for iron/steel.  
Sonacoat easy FN for all metals  
(dual mode gauge).

Measuring principle: Magnetic induction method (F),  
Eddy current method (N).

Measuring range: For iron/steel: 0 - 3,500  $\mu\text{m}$ /0 - 140 mils.  
For non-ferrous metals: 0 - 3,000  $\mu\text{m}$   
/0 - 120 mils.

Tolerance:  $\pm 3 \mu\text{m}$  or  $\pm 3\%$  of reading/ $\pm 0.12$  mils or 3%.  
(whichever is greater).

Resolution: 1  $\mu\text{m}$ /0.1 mils or  $< 2\%$  of reading.

Display: 4-digit display : digit height 10 mm / 400 mils,  
selectable between  $\mu\text{m}$ /mils.

Confirmation of reading: Audible 'beep'.

Minimum measuring area: 10 mm x 10 mm/0.4" x 0.4".

Minimum curvature radius (on steel): Convex 5 mm/0.2".  
Concave 50 mm/2".

Calibration required below 30mm (Fe) or 75mm(NFe).

Minimum substrate thickness:

Iron/steel: 0.75 mm / 30 mils.

Non-ferrous metals: 0.25 mm / 10 mils.

Calibration: Factory calibration, zero calibration.

Surface temperature: -15 °C to 60 °C / 5 °F to 140 °F.

Operating temperature: 0 °C to 60 °C / 32 °F to 140 °F.

Storage temperature: -20 °C to 60 °C / -4 °F to 140 °F.

Power supply: 2 x AA 1.5 V batteries.

Housing/keypad: Protection class IP52  
(protection against dust and dripping water).

Dimensions: 110 mm x 50 mm x 25 mm, 4.3" x 2" x 1" ins.

Weight (incl. batteries): 90 g / 3.2 oz.

Standards: DIN EN ISO, ASTM, BS.



## Sonacoat Easy F or FN Kit

Gauge including transducer.

ZERO plate(s).

Plastic shim.

Soft carrying pouch.

2 batteries.

Instruction manual.

Manufacturer's certificate.