SUITABLE FOR SMALL SURFACES, CONCAVE OR CONVEX SURFACES

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES

# COATING THICKNESS GAGE

INSIZE PLUS
MADE IN EUROPE

VIDEO

main unit
ISO-2000FN

probe (**optional**)

magnetic induction probe Fe (optional)
ISO-2000FN-FE

eddy current probe NFe (optional)
ISO-2000FN-NFE

- Suitable for small surfaces, concave or convex surfaces
- Magnetic induction probe (Fe) measures the thickness of non-magnetic coating on magnetic substrate.
  Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
  Coating: zinc, copper, chrome-tin, plastic powder, paint (not for nickel)
- Eddy current probe (NFe) measures the thickness of non-conductive coating on non-magnetic metal substrate.
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic powder, paint, anodizing

standard foils (included)

**MAIN UNIT**

| | | |
|---|---|---|
| **Code** | | **ISO-2000FN (without probes)** |
| **Measuring range** | **magnetic induction probe (Fe)** | 0~2000μm |
| | **eddy current probe (NFe)** | 0~800μm |
| **Accuracy** | | ±(1.5+2%L)μm L is measuring thickness in μm |
| **Resolution** | | 0.1μm (range<100μm) |
| | | 1μm (range 100~1000μm) |
| | | 10μm (range≥1000μm) |
| **Repeatability** | | 1μm (range 0~1000μm) |
| | | 10μm (range≥1000μm) |
| **Measuring mode** | | continuous or single |
| **Calibration mode** | | four points calibration |
| **Minimum substrate thickness** | | magnetic induction probe (Fe): 0.2mm,<br>eddy current probe (NFe): 0.05mm |
| **Minimum measuring area** | | 5x5mm, calibration should be made on workpieces without coating |
| **Power supply** | | 2×1.5V AA batteries |
| **Dimension of main unit** | | 122×65×22mm |
| **Weight of main unit** | | 150g |

**STANDARD DELIVERY**

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|---|---|
| **Main unit** | 1 pc |
| **Zero calibration block for Fe probe** | 1 pc |
| **Zero calibration block for NFe probe** | 1 pc |
| **Standard foil** | 7 pcs |
| **Battery (AA)** | 2 pcs |

**PROBE (OPTIONAL)**

| | |
|---|---|
| **Magnetic induction probe (Fe)** | **ISO-2000FN-FE** |
| **Eddy current probe (NFe)** | **ISO-2000FN-NFE** |