

THICKNESS GAUGE FOR COATINGS



ARW-1920 [For order 220123151](#)

"FN" dual technology coating thickness gauge for ferrous and non-ferrous substrates (magnetic and non-magnetic), equipped with a data logging function and supplied complete with USB interface and data transfer and management software. A perfect solution for any measurement of the coating layer, be it painting, enamelling, zinc plating, chrome plating, aluminum anodizing, etc.

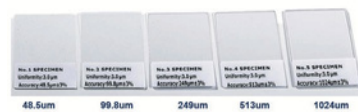
- Compact and solid structure with dual technology (Fe - NFe) and large backlit display
- Internal data memory (500 groups of 15 values each)
- **Supplied complete with software and interface cable for data transfer and management to PC**
- Two measurement modes, single and continuous (scan function)
- Two measurement modes: Direct and Batch
- Limit value entry function
- Auto power off function
- **Statistical function with indication of values: Minimum, Maximum, Average, No. of readings and standard deviation**
- 5 sample reference thicknesses included in the delivery (48.5µm, 99.8µm, 249µm, 513µm, 1024µm - indicative values)
- **Unique measure with a single dual technology probe** (Fe & NFe with automatic substrate recognition) for ferrous and non-ferrous substrates

Measurement principle

- Magnetic Induction (Fe): measures non-magnetic coating layer on magnetic ferrous metal bases As paint, zinc, aluminum, chromium, copper, rubber on iron substrates, cast iron, magnetic steel alloys
- Eddy Current (NFe): measures non-conductive coating layer on non-ferrous non-magnetic metallic bases such as rubber, plastic, paint, oxidation (anodizing) on substrates in aluminium, copper, zinc, tin, etc.



TECHNICAL SPECIFICATIONS	
Measuring range	Magnetic Induction (Fe) & Eddy Current (NFe)
Measuring range µm	0 - 1500 µm FE/NFE
Probe	Double technology (Fe/NFe)
Instrument body	In plastic material
Accuracy	± (2% measured value + 1) µm
Resolution µm	0,01 µm
Minimum bending radius mm	Convex 1.5 Concave 9
Minimum diameter (mm)	ø7
Minimum Substrate Thickness (mm)	0,5 mm
Data storage	500 groups of measures
Dimensions	163x78x33 mm
Power supply	3 1.5V batteries
Operating temperature	0+50 °C
Operating humidity	<80%
Supply kits	Instrument, Probe (Fe - NFe), 2 zero bases (Fe - Nfe) Software and USB cable, 5 sample thicknesses, user manual, ABS case



SOFTWARE



COMB THICKNESS GAUGE

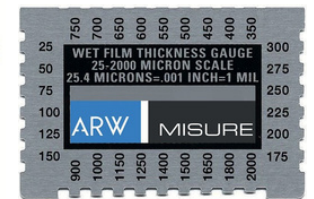
ARW-1150 [For order 220121056](#)

ARW-1701 [For order 220122846](#)

ARW-1701 version in steel



ARW-1150 aluminum version



This comb thickness gauge is used for measuring the coating thickness of wet film even before drying. Simply place the toothed surface perpendicularly on the wet coating and then visually check the maximum value reached. The wet film thickness gauge is a very useful item in situations where immediate thickness control is required. Particularly used in the field of building paints, in road signs and in industry for measuring the depth of a coating of paint, enamel, lacquer, adhesive or other materials that have been applied on a smooth surface.

- Simple to clean
- Compact dimensions
- ARW-1150 range 25 ÷ 2000 µm in aluminium
- ARW-1701 range 25 ÷ 3000 µm in steel

