Coating measurement

The BaltoCoat portable gauge is designed for fast, practical and precise Coating Thickness Measurement. It can be used for all types of varnish, paint and electroplated coatings on iron and steel as well as varnish, paint and anodising coatings on non-ferrous metals and on austenitic stainless steels..

The BaltoCoat is ideal for speedy, non-destructive and exceptionally precise Coating Thickness Measurement:

- in paintshops and for electroplaters
- for wet and powder coating operations
- in the automobile/automobile parts industry
- for incoming material inspection, during production and for final inspection procedures
- in development engineering and expert assessment
- in laboratory and field operations.

Compact and innovative in its design, the BaltoCoat features a clear overview of the operating menu with an easy-to-read display.
Simply place the probe on a coated metal object for immediate non-destructive digital thickness measurement, unit-selectable in µm or mils

The BaltoCoat is recommended for measurement of

- all non-magnetic coatings such as varnish, paint, enamel, chrome, copper, zinc etc, on steel and iron (magnetic-induction principle)
- all electrically insulating coatings, such as lacquer, paint and anodising coatings on non-ferrous metals and stainless steel (eddy current principle)
- The BaltoCoat is a compact, lightweight Coating Thickness Measurement gauge for operators who require both innovative and user-friendly measuring techniques.
- Menu in a choice of three languages ensures ease of operation.
- The BaltoCoat ensures non-destructive Coating Thickness Measurement on steel and non-ferrous metals.
- The BaltoCoat automatically identifies the substrate and activates the appropriate measuring procedure.
- No cables required; data in the memory can be transferred via an infrared interface for further processing.
- The uniform contact pressure of the sensor is kept to a minimum, preventing scratches and indentations to sensitive surfaces.
- Measuring range: 0 - 1,500 µm / 60 mils
- Up to 10,000 readings can be statistically evaluated: number of readings, mean value, standard deviation, minimum and maximum reading.

Specifications

Measuring principle:	magnetic induction principle (F version) eddy-current principle (N version)
Measuring range:	0 ... 1,500 µm / 0 ... 60 mils (measuring unit operator-selectable)
Tolerance:	± (1 µm + 1% of reading) / ± (0.04 mils + 1% of reading)
Resolution:	0.1 µm / 0.004 mils or < 0.2% of reading
Display:	back-light, 4-digit alphanumeric, digit height 10 mm / 0.4"
Minimum measuring area:	5 mm x 5 mm / 0.2" x 0.2"
Minimum curvature radius:	convex: 3 mm / 0.12", concave: 5 mm / 0.2"
Minimum substrate thickness:	type F: 0.5 mm / 20 mils; type N: 50 µm / 2 mils
Calibration:	factory calibration, zero calibration, foil calibration
Data memory:	max. 80 readings, available singly; statistical values
Limits:	adjustable with acoustic alarm system
Interface:	infrared
Operation temperature:	0 °C to 50 °C/ 32 °F to 122 °F
Storage temperature:	-20 °C to +60 °C / -4 °F to 140 °F
Power supply:	2 Mignon cells(AA) 1.5 V, up to 60 h battery life
Dimensions:	gauge: 140 mm x 62 mm x 30 mm / 5.6" x 2.5" x 1,2"
Weight:	200 g / 7 ozs (gauge + probe)
Protection class:	IP 52 (proof against dust and dripping water)

Delivery schedule:

- Gauge, including probe
- Zero plate(s),ferrous stainless steel
- 2 calibration standards
- 2 batteries
- Soft carrying pouch
- Instruction manual

Producer

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