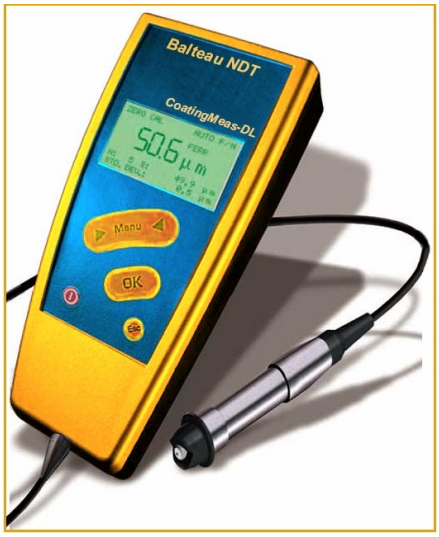
Coating measurement



The BaltoCoat is a small robust unit for measurement of coating thickness for Ferrous and Non ferrous conducting substrates.

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.

Where to use Baltocoat FN-DL?

Wherever coatings are applied – whether on visual and aesthetic grounds, to prevent corrosion protection, or for functional and mechanical reasons – the Coating Thickness Measurement represents an essential quality feature. The Baltocoat FN-DL is ideal for speedy, non-destructive and exceptionally precise Coating Thickness Measurement.

Baltocoat FN-DL is used

- in paintshops and for electroplaters
- in the automobile industry and its supporting industry
- for incoming material inspection, during production and for final inspection
- in development engineering and expert assessments
- in laboratory and field operation.

The innovative design of the instrument features a clear and straightforward operation and an easy-to-read display. The alphanumerical file names make the data management easier and consequently ensure a quick access for further processing.

Innovative instrument technology

- Measurements on steel and non-ferrous metal using one single gauge
- Automatic identification of the substrate
- Calibration-free measurements (calibration only in exceptional cases)
- Mobile and stationary operation with only one single gauge
- Highly wear-resistant measuring poles made of carbide metal
- Special probes for unusual measurement tasks

Practical functions

- Precise measurements on different geometries thanks to simple calibration methods
- Safe use even for special applications such as sand-blasted surfaces, small accessories and curved surfaces
- Scan mode for the quick recognition of Coating Thickness Measurement variations on large surfaces, including display of minimum and maximum readings
- Display backlight for bad ambient lighting conditions
- Online statistics with all statistical parameters

Self-evident operating concept

- Ease of operation, well-known from mobile phones
- Intuitive menu guidance via dialog with the user
- Free choice of language – German, English, French

Reliable documentation

- Extensive data memory for the management of different measurement series
- Alphanumerical file names can be individually saved for every measurement task
- Infrared interface for wireless data transfer to printer and PC
- No additional data transfer software required thanks to the use of Windows standard application (Hyper Terminal)
- Extensive software for data transfer and file management for unlimited user defined measuring series

Specifications

Gauge type:	Gauge with separate probe (1m of fixed cable)
Measuring principle:	Magnetic induction method (F version) Eddy current method (N version)
Measuring range:	0 ... 1,500 µm / 60 mils
Tolerance:	± (1 µm/0.04 mils + 1% of reading)
Resolution:	0.1 µm/0.004 mils or < 0.2 % of reading
Display:	4-digit display (digit height 10 mm / 400 mils) and 32
alphanumerical	characters; switchable backlight
Confirmation of reading:	acoustically and optically
Minimum area of measurement:	5 mm x 5 mm/200 mils x 200 mils
Minimum radius of curvature:	convex 2mm / 80 mils; concave 5 mm / 200 mils (FN, F, N)
Minimum thickness of substrate:	0.2 mm / 8 mils (F) 50 µm/2 mils (N)
Scan mode:	For continuous measurements; for the quick recognition of Coating Thickness Measurement variations; with permanent display of minimum and maximum reading
Data memory:	10,000 readings in max. 500 freely selectable files; alphanumerical file names; saved readings and statistical values individually recallable
Interfaces:	Infrared and serial RS232 interface
Language:	Operator prompting and documentation in German, English, French (optional other languages)
Operating 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 x Mignon cells (AA) 1.5V up to 60 hours of operating time
Housing/keypad:	Protection class IP52 (protection against dust and dripping water)
Dimensions:	Gauge: 140 mm x 62 mm x 30 mm / 5.6" x 2.5" x 1.2" (H x W x D)
Weight:	approx.200 g (gauge including batteries and probe)

Producer

Balteau NDT sa
Voie de Liège, 12
B-4681 Hermalle Sous Argenteau
BELGIUM

Tel.: +32 4 374 75 75
Fax: +32 4 374 75 85
E-mail: balteau@balteau-ndt.com
Website: www.balteau.com

Distributor