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**Corrosion
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and
Supplies**

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Coating thickness
measurement

eXacto



Compact coating thickness gauge with self-explanatory menu operation for measurements of

- non-magnetic coatings on steel
0...3000 μm
- insulating coatings on non-ferrous metals
0...2000 μm

Innovative technology for precise and reliable measurements with
– internal probe
– external probe

eXacto® – Pocket-sized Precision

Innovative technology for precise and reliable measurement

eXacto® – the compact and intelligent solution for non-destructive coating thickness measurement! Suitable for measuring all non-magnetic coatings such as paint, chrome etc. on steel and all insulating coatings on non ferrous metals such as paint on Aluminium, anodising etc. Apart from high accuracy and ergonomic design, eXacto® features an intelligent probe to identify the substrate metal (ferrous or non ferrous) and automatically adjusts to the correct measuring principle.

Choice of probe design

eXacto® is available with an integrated or separate probe. Both models can be supplied with the following probes:

F-probe for measurements on steel,
N-probe for non-ferrous substrates or

dual probe, working on both principles, magnetic-induction and eddy currents.

Product features

- Compact gauge with integrated compartment for storing standards for checking accuracy
- Manual preselection of the measuring principle possible
- Convenience through backlit display
- Tolerance monitoring through limit function and alarm signal
- Single and block value statistics
- Data memory for up to 90 single readings

Supply schedule

- eXacto® with wrist strap and batteries
- Standards for checking accuracy (steel and/or Aluminium)
- Calibration foils



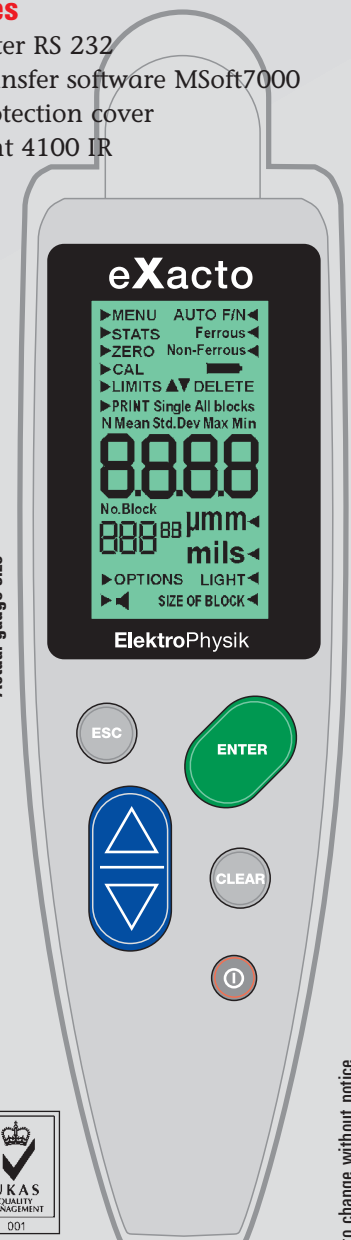
- Soft belt case
- Operating instructions
- Plastic carrying case

Accessories

- IR adapter RS 232
- Data transfer software MSoft7000
- Dust protection cover
- MiniPrint 4100 IR

Technical Data	
Measuring ranges:	F-probe: 0 ... 3000 µm/120 mils; N-probe: 0 ... 2000 µm/80 mils; FN-probe: 0 ... 2000 µm/80 mils
Measuring uncertainty:	± (2 µm + 3% of reading)/± (0.07 mils + 3% of reading)
Resolution in the lower range:	0.1 µm/0.04 mils
Minimum measuring area:	∅ 20 mm/0.8"
Minimum substrate thickness:	F-probe: 0.5 mm/20 mils; N-probe: 50 µm/2 mils
Minimum curvature radius, convex:	5 mm/0.2"
Minimum curvature radius, concave:	separate probe: 25 mm/1.0" integrated probe: 35 mm/1.4" at the edges, 60 mm/2.4" in the middle of the object to be measured
Measuring unit:	Metric/Imperial (switchable)
Interfaces eXacto®, integrated probe:	IR to MiniPrint 4100 IR, IR to a PC, serial interface to a PC
Interfaces eXacto®, separate probe:	IR to MiniPrint 4100 IR, IR to a PC
Single value statistics:	number of readings, mean, std. deviation, min, max.
Block value statistics:	number per block as needed (5 ... 30), mean, std. deviation per block
Data memory:	90 single readings or 45 block values (mean, std. deviation)
Monitoring of tolerances:	Limit function with alarm signal
Dimensions:	165 mm x 44 mm x 38 mm/6.5" x 1.7" x 1.5" (LxWxH)
Power supply:	2 x AAA 1,5 V
Ambient temperature:	0 ... 50°C/32 ... 122°F

Actual gauge size



ElektroPhysik