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DUALSCOPE MPOR

The DUALSCOPE MPOR film gage allows quick and easy measurements of coatings thickness on ferrous and non-ferrous substrates. The instrument automatically identifies the kind of substrate and selects the appropriate test method accordingly.

The instrument is designed for one-hand operation. An integrated spring guarantees a constant pressure of the probe to the sample's surface. The instrument comes with an USB interface for bi-directional data transmission to the Data Center Software. Data can be exported to Excel spreadsheet.

DUALSCOPE MPOR:

- Compact size instrument
- Illuminated display
- Statistic function, min., max., mean, Std. dev.
- Two displays for easy view for measurement results
- Magnetic-induction Fe-sensor particularly suitable for the automotive industry
- Eddy current method for non-ferrous substrates
- Large memory stores up to 10.000 values
- Indicator LED for pass/fail
- Conductivity compensation for measurements on aluminum alloys
- Continuous scan of measurement surface
- Easy to use menu navigation
- Automatic turning display
- Two special measuring modes to conform to IMO PSPC (90/10 rule) and SSPC-PA2

Ordering Information

Cat. No.	Description
3686	DUALSCOPE MPOR

Comes complete with:

DUALSCOPE MPOR gage
Manual
2 x AA batteries
Protective bag
Zero standard Fe/NFe
Thickness standard
Protective cap
Lanyard
Calibration certificate
PC Datex software
Data Center software
USB cable
Instrument case

Ordering Information

Cat. No.	Description
3695	PC-Datex Software with USB Cable



Standards

ASTM	B 499, D 1400, D 7091
BS	3900 Part C5, 5411 (3,11)
DIN	50981, 50984
ISO	2178, 2360, 2808

Technical Specifications

Substrate Fe	steel or iron
Substrate NFe	non-magnetic metals: aluminum, copper, brass, zinc, stainless steel
Measuring Range	0 - 2000 μm (0 - 78 mils)
Memory	10.000 values
Accuracy	0 - 75 μm : $\leq 1.5 \mu\text{m}$ (Fe); 0 - 50 μm $\leq 1.0 \mu\text{m}$ (NFe) 75 - 1000 μm : $\leq 2\%$ of reading (Fe); 50 - 1000 μm $\leq 2\%$ of reading (NFe) 1000 - 2000 μm : $\leq 3\%$ of reading (Fe); 1000 - 2000 μm : 3% of reading (NFe)
Minimum Curvature	5 mm (0.2 in) convex; 32 mm (1.2 in) concave
Minimum Substrate Thickness	Fe: 0.1 mm; NFe: 0.02 mm
Min. Measuring Area	2.5 x 2.5 mm (0.1 x 0.1 in)
Operating Temperature	0 $^{\circ}\text{C}$ - 40 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ - 104 $^{\circ}\text{F}$)
Power Supply	2 x AA batteries
Dimensions	64 x 30 x 85 mm (2.5 x 1.2 x 3.3 in)
Weight	approx. 137g (4.8 oz) with battery

Accessories

For exporting measurement data to Excel®