

MPO AND MPOR SERIES

Robust, handy and lightweight – with the devices of the MPO and MPOR series you measure coating thicknesses easily, quickly and non-destructively. With two illuminated displays, a sturdy housing and the intuitive user interface, they are your ideal companion for onsite use.

FEATURES

MPO



Basic model, probe integrated in the device
Measured value memory: 1,000 in one batch
Without USB interface

MPOR



Comfort model, probe integrated in the device
Measured value memory: 10,000 in one batch
Rotatable display
Easy data transfer via USB interface
Preinstalled measurement modes

MPO-FP AND MPOR-FP(W)



Comfort model, fixed probe with cable or fixed angled probe for challenging geometries
Measured value memory: 10,000 in one batch (MPOR-FP(W)), 1,000 in one batch (MPO-FP)
Rotatable display (not MPO-FP)
Easy data transfer via USB interface (not MPO-FP)
Preinstalled measurement modes

DUALSCOPE®



Measurement of non-magnetizable or electrically non-conductive coatings on magnetizable or non-magnetizable, electrically conductive base materials

Application examples

Layer	ISO	Anod. coatings	Paint	Varnish	Plastic		
Base Material	NF	Al	Al	Cu	CuZn		
Layer	ISO	NF	Paint	Varnish	Zn	Cr	Cu
Base Material	FE	FE	Steel	Fe			

Test method

Amplitude-sensitive eddy current test method and magnetic induction test method

MP0 AND MP0R SERIES

Built to last: Suitable for thousands of measurements thanks to low wear probe pole

Ideal for onsite use: Compact design and 2-display solution

Perfect fit: The devices of the DUALSCOPE® family automatically select the right test method for your measuring task

Up to all challenges: Precise measurement on many surfaces in a wide range of coating thicknesses

Flexible: Available in many different configurations depending on requirements

Compact: Fits in any pocket



ISOSCOPE®



Measurement of electrically insulating layers on non-magnetizable, electrically conductive metals

Application examples

Layer	ISO	Anod. coatings	Paint	Varnish	Plastic
Base Material	NF	Al	Al	Cu	CuZn

Test method

Amplitude-sensitive eddy current test method

PERMASCOPE®



Measurement of non-magnetizable layers on magnetizable base materials

Application examples

Layer	ISO	NF	Paint	Varnish	Zn	Cr	Cu
Base Material	FE	FE	Steel	Fe			

Test method

Magnetic induction test method

ISO Electrically non-conductive (isolating) Example: Varnish

NF Non-magnetic (not ferritic, electrically conductive) Example: Zinc

FE Magnetic metal (ferritic) Example: Iron



Corrosion protection in crane

The small all-rounders for mobile coating thickness measurement

The measuring devices of the MP0 and MP0R series are the compact solution for simple, onsite coating thickness measurement. Practical to use, robust to handle: Use these small handheld devices to measure the thickness of coatings on virtually all metals. Thicknesses for paint or hot-dip galvanized coatings can be determined easily, quickly, and non-destructively for quality control or corrosion protection.

Due to the differently equipped measuring devices, the MP0 and MP0R device series always offers the optimal solution for your application. Both smooth and rough surfaces, and even very thin coatings, can be measured with high precision. Thanks to their three-point support, the instruments can also be placed securely so as to more reliably determine the coating thickness. The integrated conductivity compensation can also equalize differences in the conductivity of non-ferrous metals.



Measurement of anodizing on aluminum frames for building cladding



Measurement at axis connection

Features

- Leading industrial instrument series for fast and easy coating thickness measurement in corrosion protection and industrial applications
- Test method: Magnetic induction and amplitude-sensitive eddy current
- Measured value memory: 10,000 (MP0R) or 1,000 (MP0) in one batch
- Measurement range MP0R:
 - DUALSCOPE®: 0 - 2.000 µm
 - ISOSCOPE®: 0 - 1.200 µm
 - PERMASCOPE®: 0 - 2.500 µm
- Limit monitoring via light
- Probe integrated in the device, FP(W) models with attached closed probe for a wide range of applications



VIDEO:

Scan QR code to experience unboxing, calibration and getting started of the MP0/MP0R family.