



# DMP10-40 SERIES

Tactile and non-destructive coating thickness measurement

**fischer**®

# DMP10-40 SERIES

The new DMP series sets the standard for tactile and non-destructive coating thickness measurement of magnetized and non-magnetized base materials. The robust and modern design, optimized functionalities, digital probes, and intuitive Tactile Suite software make these compact handheld devices your perfect companions for any measuring requirement.

## FEATURES

### DMP10 and 20



- Basic model
- Measured value memory: 10,000 in one batch
- Easy data transfer via USB-C
- Limit monitoring via light and sound

### DMP30 and 40



- Comfort model
- Measured value memory: 250,000 in 2,500 batches
- Easy data transfer via USB-C and Bluetooth
- Limit monitoring via light, sound and vibration

## DUALSCOPE®



Measuring non-magnetized or electrically non-conductive coatings on magnetized or non-magnetized, 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

“ The new DUALSCOPE® DMP40 from Fischer sets new standards in terms of robustness, ease of operation, and data export, thus making daily quality control in our production easier. ”

Beate Brand, Head of Quality Lab at KNEISSLER Brünieretechnik GmbH, Germany

## ISOSCOPE®



Measuring electrically insulated coatings on non-magnetized, 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

## DELTASCOPE®



Measuring non-magnetized coatings on magnetized 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

# DMP10-40 SERIES

**Built to last:** Next level quality and durability thanks to all-aluminum housing

**Full measuring control:** Feedback via light, sound and vibration whether measured values are within tolerance

**Perfect fit:** Measure 24/7 due to quick and easy battery change

**Digital probes:** Fully digitized probes for the most demanding measurement tasks

**Backward compatible:** Use all of your existing Fischer probes thanks to exchangeable adapter

**Powerful software:** Automatic device recognition, easy data export and comprehensive reporting



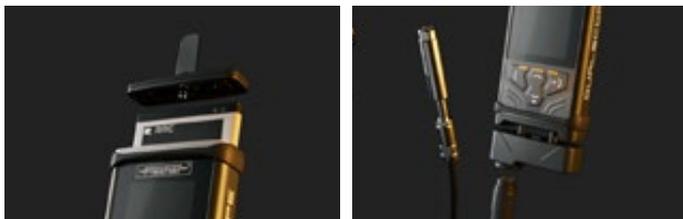


Burnished rails

## The all-around capabilities of coating thickness measurement

The measuring devices of the DMP10-40 series are the perfect solution for fast and non-destructive coating thickness measurement on magnetized and non-magnetized base materials. Used primarily in quality assurance, these compact devices are impressive with their robust and ergonomic design and extensive functions.

Depending on the application, you will find the right device in the DMP family. The DMP10 and 20 models offer an optimal entry level with extensive functionalities, while the DMP30 and 40 models also meet higher demands. In addition to the various measuring instruments, a wide range of high-precision digital and analog probes are available.



Quick change battery

F-adaptor for analog probes

With the intuitive Tactile Suite, transferring, evaluating and exporting your measurement data is more comfortable than ever before.

### Features

- Universal device series for tactile coating thickness measurement thanks to enormously wide probe portfolio
- Test method: Magnetic induction and amplitude-sensitive eddy current method
- Measured value memory: DMP10/20: 10,000 in one batch, DMP30/40: 250,000 in 2,500 batches
- Measurement range: Depending on the combination of coating and base material and the used probe
- Robust aluminum housing with protection class IP64
- Replaceable Li-Ion battery for > 24 h operating time
- Easy data transfer via USB-C and Bluetooth
- Limit monitoring via light, sound and vibration
- Digital and analog probes available for various applications



### VIDEO:

Scan QR code to experience the DMP10-40 series.

# POWERFUL SOFTWARE FOR YOUR APPLICATION



## Tactile Suite

Tactile Suite is an efficient software solution with a modern design, innovative user guidance and versatile functions for your evaluations and reporting. Tailored to your needs, Tactile Suite is the most intuitive software in tactile coating thickness measurement. The Tactile Suite is available for all devices of the DMP series.



### Instantly recognized and synchronized

With the automatic and reliable device recognition, your probes and devices are recognized directly. Your measurement data is transferred and stored easily and immediately.



### Direct export to Excel

Transfer your measurement data in real time or after measuring directly to Excel or other file formats – easily and conveniently via USB-C or Bluetooth.



### Create data reports easily

Easily create customized reports and measurement logs. Use our templates or adapt them according to your needs.



Probe variation

## The probe – The heart of our measuring devices

The heart of any electromagnetic measuring system is the probe. It generates the actual signal that is subsequently evaluated. For this reason, it must meet certain requirements depending on the area of application and must not damage soft coatings, for example.

We offer you a comprehensive range of high-precision probes for coating thickness measurement and material testing. From over 100 standard probes, numerous special probes as well as digital probes for selected devices, we will find the right probe for your measuring task together with you. All Fischer probes are extremely robust, wear-resistant and developed, produced and tested in-house to the highest quality standards. Simply connect the pre-calibrated probe to your measuring instrument and get started: Instruments with exchangeable probes recognize them automatically.

Due to a spring-loaded system, our probes are placed on the surface with an optimal pressure. This reduces measuring errors and leads to high repeatability, which guarantees your measurement results. Probes with integrated curvature compensation allow reliable measurement on curved surfaces. Probes with conductivity compensation, on the other hand, can compensate for different electrical conductivities of the base material and thus avoid time-consuming calibration procedures.

Our experts will be happy to advise you on the selection of the right probe for your application. If required, we also develop individual special designs.

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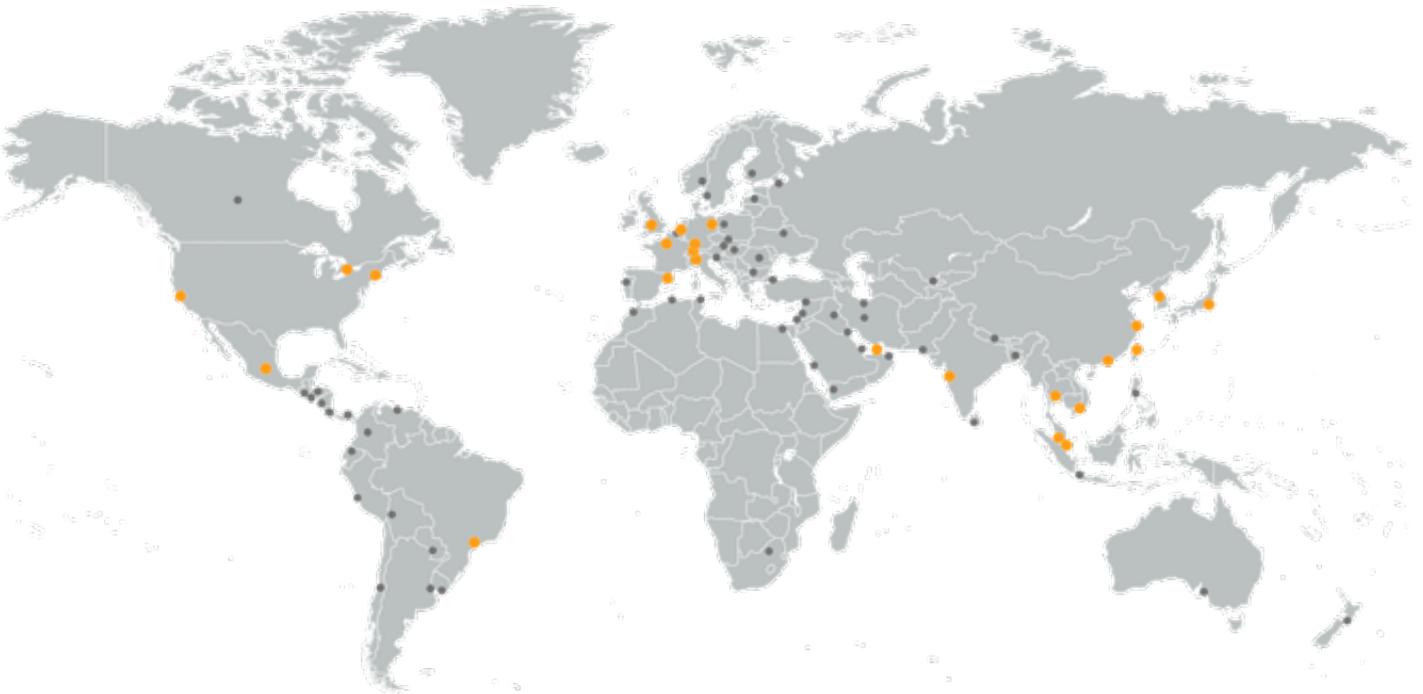
### Features and criteria for probe selection

Depending on the application, our probes have specific properties and meet certain criteria to provide you with a result of highest accuracy. Examples of measurement conditions for selecting the optimal probe:

- Dimension of measurement area
- Geometry of specimen or the measuring site
- Surface condition of specimen
- Combination of coating and base material
- Thickness of coating and base material
- Coating hardness
- Manual or automated measurement
- Ambient conditions, e.g. wetness

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● Dealer

Our measuring instruments, software and accessories are developed, produced and constantly optimized in-house. The goal is to make the world of our customers measurably easier – made in Germany!

Our experienced staff will be happy to advise you locally and in your national language. Please find your personal contact at:

[www.helmut-fischer.com](http://www.helmut-fischer.com)



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