

INTECH NDE

Inspection Solutions



TACTILE MEASURING DEVICES

Coating thickness measurement and material testing

fischer®

FERITSCOPE® DMP®30

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 probe. Fully digitized probe for the most demanding measurement tasks

Backward compatible. Use your existing Fischer probes thanks to exchangeable adapter

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



Specialized for ferrite content measurement.

The FERITSCOPE® DMP®30 from the DMP® family is tailor-made for the measurement of ferrite content or martensite content in austenitic and duplex steels.

The advantages of these robust handheld devices are particularly notable in chemical plants, power plants, and process engineering plants. They are ideally suited for onsite measurements of austenitic claddings as well as weld seams in stainless steel pipes, containers, boilers or other products made of austenitic or duplex steel. From a plating thickness of 3 mm, ferrite content determination can be carried out reliably and precisely, regardless of the properties of the base material.



Quick change battery



Ferrite content measurement in the weld seam area

Features

- Robust and powerful handheld device for the measurement of ferrite and martensite content in steels with austenitic microstructures
- Test method: Magnetic induction
- Measured value memory: 250,000 in 2,500 batches
- Measurement range: 0.1 - 80 % Fe or 0.1 - 110 FN
- 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



Even in hard-to-reach places, our digital and analog probes deliver maximum flexibility. With the intuitive Tactile Suite®, transferring, evaluating and exporting your measurement data has never been so convenient.

PROBES

Wide variety of probes.

Broadest portfolio on the market, the optimum probe for every measuring task

Customized. Probes with different housing shapes and properties

Reliable measurement results. Probes with outstanding measurement accuracy and linearity

Robust and wear-resistant. Best quality for maximum service life

Individual factory calibration. Ensures you the highest level of accuracy

Quality and safety. Developed and produced in-house for the highest demands

Smart connectivity. Convenient data transfer via DMP® device via USB-C or Bluetooth

Flexible F-adapter. Continue to use the full power of analog probes with the DMP® device



Probe measures on sample

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.

With over 100 standard probes and numerous customized probes, we offer you a comprehensive product portfolio from which you can select the right probe for your measuring task together with us. 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: Our devices recognize the probes 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. Here are a few 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

