MMS® Inspection DFT

For all your **coating thickness measurement** needs
in **industrial applications**

fischer®

ALL YOUR COATING THICKNESS MEASUREMENT NEEDS COMBINED IN ONE DEVICE?

Yes, this is possible with the new MMS® Inspection DFT!

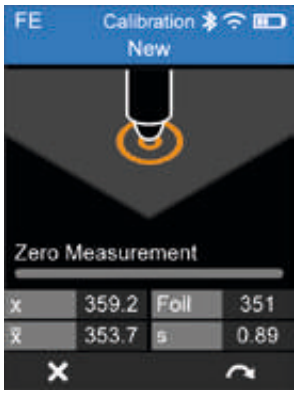
The MMS® Inspection DFT is perfect for all your coating thickness measurement needs. It is rugged, pocket-sized, and uses magnetic induction and eddy current principles to measure coating thickness on ferrous and non-ferrous substrates. When it comes to quality control in a manufacturing process or incoming inspection of samples or batches, this instrument will meet all your requirements.

This device is developed by Fischer's leading coating thickness experts. The MMS® Inspection DFT is water jet and dust resistant with its IP65-compliant housing. Its ergonomic design with simple and intuitive operating concept is ideal for anyone measuring coating thickness on the go.

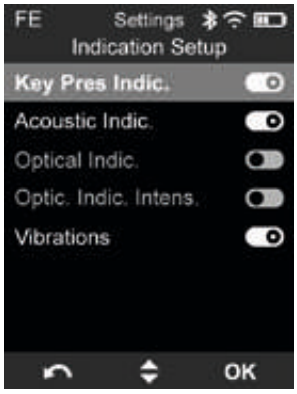
Why wait? Get one today!

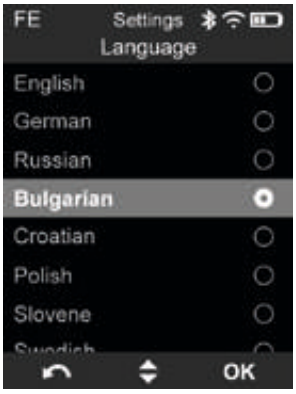
The new Fischer user interface helps you get the job done in no time

Easy calibration process: A good gauge only provides meaningful measurement data if it has been properly calibrated. The new graphical user guide for calibration is simple to use and shows you which stage of the calibration you are currently at. There are several calibration modes to maximize accuracy.



Individual configuration: The MMS® Inspection DFT can be personalized according to your needs. There are multiple settings in the configuration menu. For example, the device can confirm each measurement visually, acoustically or by vibration. Statistical analysis settings can also be set according to your preferences.





Out of limits immediately visible:
Multi-sensory feedback via LED light, sound and vibration shows you at all times whether your readings are within tolerance.

Wide measurement range:
You can measure up to 2500 µm on FE (Magna) and 2000 µm on NF (Eddy) with just one device.

130 mm

Modern user interface:
The automatically rotating display is always easy to read. Even in poor lighting conditions. The user interface guides intuitively through all functions.

Safe one-handed operation:
The robust, IP65-compliant device can be safely operated with just one hand. The keys are easy to reach and have a good tactile feedback. The three-point support allows you to achieve better measuring repeatability.

Developed with experts:
MMS® Inspection DFT conforms to internationally recognized guidelines.

As flexible as your application:
The dual probe[1] of the MMS® Inspection DFT delivers high precision measurement results and the gauge automatically selects the correct measurement method depending on the base material (ISO/FE, NF/FE and ISO/NF).

Long battery life
Enjoy at least 14 hours of usage with every charge.

[1] Optionally available

MMS® Inspection DFT

MMS® Inspection DFT – perfect for all measurement tasks

Easy and efficient

The MMS® Inspection DFT is very efficient and easy to use. The user interface is intuitive so that users without prior training are able to start measuring easily. The MMS® Inspection DFT features four large buttons to enable operation with just one gloved hand. The three-point measuring support permits precise measuring in all situations. The LED light, sound and vibration give immediate feedback on the correctness of the measurement.

Moreover, the MMS® Inspection DFT includes a unique upgradable concept: The Enhanced model can be upgraded to the High model. This protects your initial investment while retaining the flexibility to meet your future needs.

Durable and robust

The low pressure water jet and dust proof housing (IP65) is ideal for use in demanding conditions. The MMS® Inspection DFT has a wide operating temperature from -10 to 60 °C. Measurement results are always visible as the scratch-proof, high-contrast display rotates according to the operator's angle. The wear-resistant probe tip is designed for long-term use and reliable results.

Accurate and precise

Like every Fischer instrument, the MMS® Inspection DFT is of high quality. The integrated dual probe is the result of Fischer's expertise in coating thickness measurement over the years. Thus, the device promises high reliability when measuring even very thin layers.

Specifications for MMS® Inspection DFT with dual probe (FE/NF)

- Measurement range:
  0 – 2500 µm on FE / 0 – 2000 µm on NF
- Accuracy:
  0 – 100 µm: ≤ 1.0 µm
  100 – 1000 µm: ≤ 1.5 %
  1000 – 2500 µm: ≤ 3.0 %
- Measurements of paint, varnish, rubber or plastic coatings, chrome or copper coatings, both electro and hot dip galvanized coatings on steel and iron (ISO/FE, NF/FE)
- Measurements of paint, varnish or plastic coatings on aluminium, copper or brass (ISO/NF) with dual probe
- Dual probe: magnetic induction method and amplitude sensitive eddy current method (with patented conductivity compensation)
- Statistical functions such as mean value, coefficient of variation, standard deviation, maximum and minimum
- Scan mode 150, normal mode 70 readings per minute
- Dimensions: 130 × 73 × 45 mm (H × W × D)
  Weight: 250 g
- Compliant with DIN EN ISO 2178, DIN EN ISO 2360 and ASTM D 7091

	PROBE	APPLICATION	DATA STORAGE	SOFTWARE	VIBRATION
HIGH	FE	NF/FE, ISO/FE	250,000 READINGS IN 2500 BATCHES	INDUSTRIAL + CORROSION	YES
	FE + NF	NF/FE, ISO/FE, ISO/NF			
ENHANCED (UPGRADABLE)	FE	NF/FE, ISO/FE	250,000 READINGS IN 2500 BATCHES	INDUSTRIAL	NO
	FE + NF	NF/FE, ISO/FE, ISO/NF			
START	FE	NF/FE, ISO/FE	10,000 READINGS	STANDARD	NO
	FE + NF	NF/FE, ISO/FE, ISO/NF			

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