



## MMS<sup>®</sup> Inspection

Designed for corrosion protection

**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.



**Wireless on the go:**

The device transmits the measurement results via Bluetooth or WiFi to the Fischer DataCenter and other applications.

**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-certified 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.

130 mm



**As flexible as your application:**

The dual probe<sup>1</sup> of the MMS<sup>®</sup> Inspection DFT delivers high precision measurement results and the gauge automatically selects the correct measurement method (ISO/FE, NF/FE and ISO/NF).

**Developed with experts:**

MMS<sup>®</sup> Inspection DFT meets all standards in heavy corrosion protection and comes with preconfigured batches for SSPC-PA 2, IMO PSPC, ISO 19840, Australian AS 3894.3 B, Swedish IS 18 41 60 etc.

<sup>1</sup> Only available for certain versions.

**MMS<sup>®</sup> Inspection DFT**

# Flawless hat-trick for heavy corrosion protection

## Have your profile under control:

With the MMS<sup>®</sup> Inspection SPG you can measure the surface profile in the blink of an eye. Conforms to ASTM D 4417, Method B.



## Dew point measurement made easy:

The MMS<sup>®</sup> Inspection DPM measures humidity, air and surface temperature for determining the dew point.

Corrosion protection starts well before the first coat of paint. The corrosion kit MMS<sup>®</sup> Inspection comprises three devices that are needed before, during and after surface coating. With the SPG, you can reliably measure the surface profile. The DPM provides all the necessary data for determining the dew point. The powerful DFT is your mobile companion for all coating thickness tasks (ferrous and non-ferrous substrates). Optionally available: the Fischer Bresle Test Kit, which allows you to check surfaces quickly and easily for contamination with salt.

---

# EVERY YEAR THE ECONOMIC LOSS CAUSED BY CORROSION IS MORE THAN \$ 2.5 TRILLION<sup>1</sup>

---

This is equivalent to 3.4 percent of the gross national product of each country. Corrosion protection is about maintaining value. Therefore, protection against environmental influences is one of the most important aspects in the construction of roads, bridges, ships and factories.

With the new MMS® Inspection series from Fischer, we offer measuring devices especially developed for heavy corrosion protection: the DFT for coating thickness measurement, the DPM for the dew point determination and the SPG for measuring surface profiles.

The devices impress with their shock-resistant, dust and water proof housing (IP65), ergonomic design and simple and intuitive operating concept developed by leading anti-corrosion experts. The best thing about the device: Batches according to SSPC-PA2, IMO PSPC, ISO 19840, Australian AS 3894.3 B, Swedish IS 18 41 60 etc. are preconfigured. This way, even untrained people will be guided through the measurements step by step. Measurement results are transmitted wirelessly via Bluetooth or WiFi to the Fischer DataCenter and other applications located on your tablet or smartphone.

<sup>1</sup> NACE International, [impact.nace.org](http://impact.nace.org) (2016)



SHIPBUILDING | INFRASTRUCTURE | OFFSHORE WIND FARMS | CHEMICAL PLANTS

## Made for corrosion protection

The MMS® Inspection DFT sets new standards not only in terms of durability, it is also an example of high efficiency. The IP65-certified gauge delivers reliable measurement data that can be wirelessly transmitted to your quality control software, even under harsh conditions. The precise dual probe gauge recognizes the base material automatically and is suitable for layer thickness measurement on both rough and smooth surfaces, e.g. in shipbuilding, offshore wind turbines, bridges or petrochemical plants.

Application examples: layers of zinc, chromium, copper, paint, lacquer or plastic on steel and iron, as well as layers of paint, lacquer or plastic on aluminum, copper or brass as well as anodized layers on aluminum.



## 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 in advance. The new graphical user guide shows you which stage of the calibration you are currently at.



**Individual configuration:** The MMS® Inspection DFT can be optimally adapted to personal needs. This allows the user to choose between several languages. The same applies to other settings in the configuration menu. For example, whether the device confirms each measurement visually, acoustically or by vibration. Further preferences can be determined in the area of statistical analysis.



# MMS® Inspection DFT – perfect for all inspection tasks

## Easy and efficient

The MMS® Inspection DFT is very efficient and safe to use. Batches like SSPC-PA 2, IMO PSPC etc. are preconfigured. The intuitive user interface results in convenient handling. Even by untrained staff. Four large buttons allow operation with only one – gloved – hand. The three-point support enables precise measuring in all situations. LED light, sound and vibration give immediate feedback on the correctness of the measurement.

## Durable and robust

Thanks to its dust-proof and splash-proof housing (IP65), the MMS® Inspection DFT is ideal for use in very harsh conditions. Ranging from -10 to 60 ° C. The scratch-proof, high-contrast display rotates according to the operator's angle. Thus keeping measurement data clearly visible at all times. The wear-resistant probe tip is designed for long-term reliable results.

## Accurate and precise

Like every Fischer system, the MMS® Inspection DFT is a high quality product. The integrated dual probe incorporates the know-how and expertise of the global technology leader in the field of coating thickness measurement. Thus, the device also excels with high reliability when measuring very thin layers.

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

- Includes the following measuring standards: SSPC-PA 2 with Levels 1–5, IMO PSPC, ISO 19840, Australian AS 3894.3 B, Swedish IS 18 41 60 etc.
- Measuring ranges:  
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)
- 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 with 70 readings per minute
- Dust and water proof according to IP65
- Operation temperatures: -10 to 60 °C
- Connectivity via Bluetooth, WiFi and USB-C
- Available with large memory space for > 100.000 readings
- Battery life for up to 8 hours of use
- Dimensions: 130 × 73 × 40 mm (H × W × D)  
Weight: 187 g

You can find us in:

AFRICA | ASIA | AUSTRALIA | EUROPE | NORTH AMERICA | SOUTH AMERICA



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

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

9-32-011 01/19

Global Sales, Application and Service

**fischer**®