



DFT-520

Dry Film Thickness Gauge



AIRBLAST

Probe can be mounted in the gauge,
or use the cable for extra reach...



The DFT-520 Dry Film Thickness Gauge is designed for the tough environment in which you operate and offers the ultimate flexibility of changing from integral to separate probe use within seconds... The unique probe design even features an LED which flashes green to confirm that the reading has been performed correctly. The unit is supplied complete and ready-to-use with a Ferrous 3 mm probe which can be upgraded to a 5 mm or even a Dual Ferrous & Non-Ferrous gauge for increased flexibility. With one button operation the DFT-520 is easy-to-use, ergonomic and ready to be your quality control partner!

The DFT-520 features the following advantages:

- Calibrated for life and supplied complete with test certificate
- Wide range of fully interchangeable probes: 1.25mm / 3mm / 5mm & dual probes available
- Can be used as integral probe or with 1m cable supplied as standard
- Zero plates and 2 test foils included
- Temperature operating range of -20 °C up to +70 °C
- Temperature and humidity compensation directly in the sensor
- Auto Fe / NFe substrate recognition and switch
- LED on probe flashes green to confirm the reading has been performed correctly
- Reading displayed live as values on LCD screen
- Scratch resistant LCD color display (rotating and auto-flip)
- Automatic screen adjustment (resolution, brightness and angle)
- Fiberglass housing with 3-layer shock protection
- IP65 water and dust protection
- Stainless steel probe with ruby tip and LED indicator
- Long battery life
- Tough carry case supplied as standard
- Manufactured in Europe

DFT-520 SPECIFICATIONS

Measuring Principle	Magnetic: magnetic field amendment / hall-effect Fe / whirl current NFe
Standards	DIN EN ISO 2808, DIN 50981, DIN 50984, ISO 2178, BS 5411 (3&11), BS 3900-C5, ASTM B 499, ISO 2360, ASTM D 1400, ASTM D 1186, ASTM D 7091, CE
Probe Type	Integral or Separate with 1m cable
Measuring Range	Fe: 1.25mm, 3mm, 5mm NFe: 3mm, 5mm Dual Fe/NFe: 1.25mm/1.25mm, 3mm/3mm, 5mm/3mm, 5mm/5mm
Measuring Speed	≥ 120 (measurements per minute)
Accuracy	Fe: ± (1µm + 2% of the reading) to 2.0 mm, ± 3% of the reading from 2.0 mm NFe: ± (2µm + 2% of the reading) to 2.0 mm, ± 3% of the reading from 2.0 mm
Minimum Measuring Area	Ø 14.5 mm
Smallest Curvature	Convex Fe: 6mm Convex NFE: 50mm
Minimum Substrate Thickness	Fe: 100 µm NFe: 50 µm
Max. Surface Temperature	80° C
Max. Surface Temperature at 1s Measuring Time Every 20s	100° C
IP Protection	IP65
Operating and Storage Temperature	-20° C to 70° C
Power Supply	2 x AA batteries / rechargeable batteries / via usb
Display	viewing angle 70° all directions
Weight and Dimensions (H x W x D)	132 g / 136 x 63 x 42 mm (gauge with integrated probe)

Technical data subject to change without notice

Ordering Information

Part No.	Description
7864600	Airblast DFT-520 (basic gauge without probe)
7864604	Airblast Probe PF-1.2 mm
7864605	Airblast Probe PF-3 mm
7864606	Airblast Probe PF-5 mm
7864607	Airblast Probe PN-3 mm
7864608	Airblast Probe PN-5 mm
7864609	Airblast Probe PD-1.2/1.2 mm
7864610	Airblast Probe PD-3/3 mm
7864611	Airblast Probe PD-5/3 mm
7864612	Airblast Probe PD-5/5 mm
7864613	Adaptor Cable for external Probe, 90 degree, length 1 mtr
7864614	Adaptor Cable for external Probe, length 1 mtr
7864615	Interface Cable USB, length 1 mtr
7864616	Probe Support DFT 520/540
7864617	Set with 2 reference plates, 2 foils
7864618	Battery Compartment cover DFT-520
7864620	Hand Strap DFT-520/540
7864621	Carrying Case DFT-520/540
7864622	Determination and documentation of deviation
7864623	Recertification

Fe* Measuring of non-ferromagnetic coatings on ferromagnetic substrate, for example measuring on steel, or iron, substrates.
 NFe* Measuring of non-ferromagnetic and electrically non-conductive coatings (insulating coatings) on non-ferromagnetic and electrically conductive substrate, for example measuring on aluminum, zinc, brass and certain stainless (high-grade) steel substrates.