

Ferrite Meter MF300F



MF300F FERRITE METER AND PROBE

**Measures Ferrite number of stainless
steels**
Digital Display
Shows Ferrite Number

Features of the MF300F

- *Measures Ferrite Number between 0 and 100*
- *Estimate of Ferrite Percentage displayed.*
- *Rugged probe for extra protection.*
- *Internal memory for 100 Ferrite readings*
- *Auto Zero facility.*
- *Can be used to satisfy BS 5750/ ISO 9000 quality assurance requirements.*
- *Fully calibrated and delivered with certification.*
- *Supplied with carrying case and full user instructions.*

An Overview

The DIVERSE ferrite detector is suitable for measuring the ferrite number of stainless steels including super duplex alloys. This hand held, battery operated Ferrite Meter with its rugged probe is designed for laboratory and workshop use.

The Ferrite number is recommended by the Welding Research Council and the International Institute of Welding as a measure of the ferrite content of alloys and weld deposits.

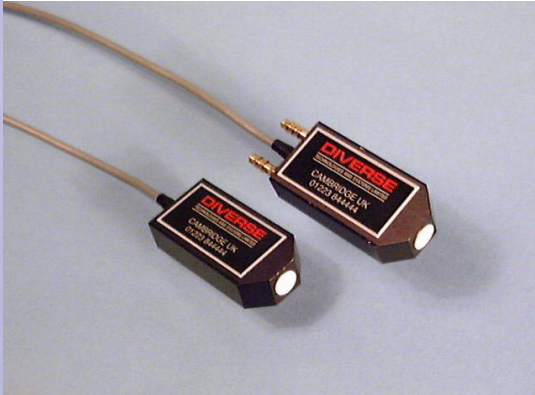
Measurements of the Ferrite Number together with the Ferrite percentage are displayed on the unit and can also be sent via an RS232 link to a P.C. Optional RS232 cable and PC software for use with the meter is available which enables data to be saved and entered in spreadsheets.

Optional Features

- *Standard or Aircooled probes for higher temperatures available.*
- *RS232 output for computer connection.*
- *Rechargeable cells and charger*

Applications

- *Measure ferrite content of stainless steel*
- *Measure the ferrite content of alloys*
- *Measure the ferrite content of weld deposits*



Standard and air cooled ferrite probes to measure surfaces at temperatures up to 300°C

About the MF300F

The Software provided with the MF300F Ferrite Meter allows readings to be taken and recorded on a P.C. The software will run on Windows XP, 98, 95, 3.1 and DOS and the data can be further processed using standard spreadsheets.

Ferrite measurements are recorded together with the time and date. Readings can be requested by pressing a key on the meter or directly from the computer keyboard. Alternatively, readings can be taken automatically at regular time intervals.

Specification

Manual Range:	
Ferrite Number:	0 to 100
Ferrite Percentage:	0 to 67%
Auto Zeroing:	Yes
Accuracy:	
FN 0 - 10:	+/- 0.5 FN
FN 10 - 30:	+/- 5%
FN 30 - 100:	+/- 10%
Probe Size:	60 x 30 x 15 mm
Probe cable length:	Nominal 2 metres
Sensing region:	4 mm diameter
Sensing depth:	2 mm
Monitor Size:	165 x 100 x 50 mm
Power supply:	4 AA batteries Rechargeable cells option
Weight in case:	1.1 Kg
Temperature Range:	
Standard Probe:	10 - 35°C
Air cooled Probe:	10 - 300°C Option
Memory:	100 Readings
RS232 data link:	Option

DIVERSE Technologies

The MF300F is part of a range of magnetic field measuring equipment. The MF300B measures magnetic flux and the MF300H measures the magnetic field.

DIVERSE specialises in the key technologies of joining and magnetics. Other DIVERSE welding and NDT products include: Magnetically Impelled Arc Butt Welding, Zeromag, a portable Weld Demagnetiser, and the Squeeze Analyser for resistance welding.

DIVERSE

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