



- Analogue voltage integrator for measuring all quality-related magnetic parameters
- Integrated calibration device
- Automatic probe identification
- Selection of measuring units
- Integrated comparator
- Self-testing function
- Peak value memory
- Analogue output
- Well-structured user interface
- Illuminated graphic display
- Demonstration software for PC connection

Measuring categories

- Magnetic flux
- Magnetic flux density
- Magnetic field strength
- Magnetic moment
- Magnetic potential
- Polarization

Measuring Technology for Hard Magnetic Materials

Fluxmeter F10

Fluxmeter F 10

Operating principle

For measuring all magnetic properties of magnetic material relevant to quality control.

Applications in e.g. research and development, automatic process control, quality control, and at incoming inspection.

When the flux density is changed a voltage is induced proportional to the change in flux. The Fluxmeter F 10 integrates this voltage and indicates the voltage integral.

The self-calibrating function of the instrument ensures that the measurements are always accurate. Display of the measured values in a selection of scales: e.g. Tesla, A/m or Vs. In this way optimal use is made of the possible applications.

User-friendly features:

- Drift compensation
- Digital display filter
- Conversion of measuring scales
- Self-calibration
- Window comparator
- Percentage display
- Physical probe parameters saved in memory
- Automatic probe identification
- Choice of manual or automatic range
- Remote control via digital interfaces

Customer-specified probes also available.

Technical Data

Measuring mode	drift-free integrator with 24-bit A/D-conversion
Measuring ranges	400 μ Vs, 4, 40, 400 mVs
Resolution	maximum 0.1 μ Vs
Selection of range	automatic or manual
Accuracy	0.2% after self-calibration
Measuring rate	50 measurements/sec
Internal calibration	voltage-/time reference
Drift	< ± 1 μ Vs/min
Input resistance	1 k Ω , 10 k Ω \pm 0.1%
Connections	thermal low voltage mini-sockets on the front and back panels
Display	LCD 100 x 80mm, bar graph display
Digital output	low / high / in / run
Digital input	reset / hold / range / drift / zero
Interfaces	RS-232C, USB optional
Analogue outputs	1 x galvanically isolated, ± 10 V; 1 x configurable (average value, min/max, peak/peak, ± 10 V)
Peak value memory	digital recording at intervals of 20 ms, analogue recording for high-speed pulses (optional)
Dimensions	120 x 250 x 250mm (height x width x depth)
Mains supply	210 – 250V AC, 50/60 Hz

Other measuring systems

[Hystograph](#)
[AC/DC Hystograph](#)
[XYZ Field Scanner](#)
[Gaussmeter](#)

Product divisions

[Measuring Technology for Soft Magnetic Materials](#)
[Magnetizing Technology](#)
[Services](#)



Field coil



Helmholtz coil



J-compensated pole coil



Potential coil

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