

- Analogue voltage integrator for measuring all quality-related magnetic parameters
- Integrated calibration device & comparator
- Automatic probe identification
- Selection of measuring units
- Self-testing function, peak value memory, analogue output
- Well-structured user interface
- Illuminated graphic display
- Touchscreen

Measuring categories

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

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:

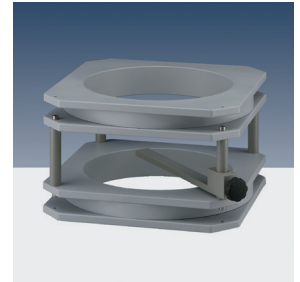
- Drift compensation
- Digital display filter
- Conversion of measuring scales
- Self-calibration
- Window comparator
- Percentage display
- Physical probe parameters saved in memory
- Automatic probe identification
- Choice of manual or automatic range
- Remote control via digital interfaces

Customer-specified probes also available.

Technical Data

Measuring principle	Integrator with very low drift with 24 bit A/D-converter
Measuring range	500 μ Vs, 5, 50, 500 mVs
Resolution	maximum 0.1 μ Vs
Range selection	automatic, manually
Operating mode	0.5% i
Accuracy	0.5% & i
Temperature stability	±0.1°C
Drift	<1 μ Vs per minute
Input resistance	20 kOhm
Connections	Thermovoltage miniconnectors
Display	9 digit LCD display with 16 characters gives information about measured value, range, unit, error, and status of the instrument The display is divided into 4 sections: 1. Measured value 2. Range 3. Unit 4. Status
Measurement mode	0.5% i
Measurement range	0.5% i
Measurement resolution	0.1 μ Vs
Analogue outputs	1 x galvanically isolated, \pm 10V; 1 x configurable (average value, min/max, peak/peak, \pm 10V)
Interfaces	RS-485
Peak value memory	digital recording at intervals of 20 ms, 1000 values analogue recording for high-speed pulses (optional)
Power consumption	900 mW <ul style="list-style-type: none"> · GHUBXUFX F >() VtbbYVtc f · A Ubi U' -D' Ugg] ba Ybhcf 8 < 7 D · J U'X' i b]ei Y' A 57 UXXfygg
Dimensions	120 x 250 x 250 mm (height x width x depth)
Power supply	210 – 250V AC, 50/60 Hz
Other measuring systems	Product divisions Hystograph AC/DC Hystograph XYZ Field Scanner Gaussmeter Measuring Technology for Soft Magnetic Materials Magnetizing Technology Services

DFYHZ



Helmholtz coil



HOG coil



Potential coil

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