



### Special Features

- low drift
- low thermo voltage probe connector plug
- built-in calibrator
- automatic probe recognition
- unit of measurement can be selected (flux, flux density, field strength, etc.)
- simple way of operation
- lit graphical display, easy to watch
- robust cabinet, can be mounted into 19" rack
- virtually all interfaces available
- built-in go/no-go test; user can set valves
- auto test when switched on
- digital peak value indicator
- fast analog peak value indicator as option (most gaussmeters cannot measure the sine pulse generated by a magnetizer)
- software update can be done via interface by using a standard PC
- 2nd input socket at the back panel of the cabinet

### Technical Data

construction	low drift integrator followed by a 19 bit analog digital converter	
measuring ranges	+/- 1mVs	+/- 10mVs
	+/- 100mVs	+/- 1Vs
range selection	automatically or manually	
accuracy	0.5% after self calibration	
noise suppression	50 / 60 Hz line power	
sample rate	16 conversions per second	
calibrator section	internal reference of voltage and time	
drift	< ± 1µVs/min	
input resistance	1kΩ ± 0.1%	10kΩ ± 0.1%
input terminals	low thermovoltage miniconnectors at the front and back side of cabinet	
display	graphical LCD 125mm x 35 mm <sup>2</sup> , 4 digits of reading displayed, green lit, contrast can be set via menu, bargraph	

### Analog Output I

function	continuous output of readings
output voltage	+/-10V
minimum load	1kΩ automatic load compensation

### Analog Output II

function	output of peak value, reference voltage, reference frequency
output voltage	0V - 10V
minimum load	1kΩ automatic load compensation
update rate	62,5 ms

### Serial Interface

type	RS 232C	function	SCPI (Standard Commands for Programmable Instruments) or printer mode
connector	9-pole DB-9 plug	memory	512 readings
baud rate	300 - 9600 Baud		
handshake	None, DTR/DSR, XON/XOFF		

### Digital Outputs

number	4
functions	low / high / go / run
log. level	to be set in menu
supply voltage	DC 24V (externally fed)
output current	max. 100mA short circuit proof
technique	M / P switching
standard	IEC1131 (24VDC)

### Digital Inputs

number	2
functions	reset / hold or drift lock (can be set in menu)
log. level	to be set in menu
supply voltage	5-34V external / internal
input resistance	type. 2.2 K $\Omega$
standard	IEC1131 (24VDC)

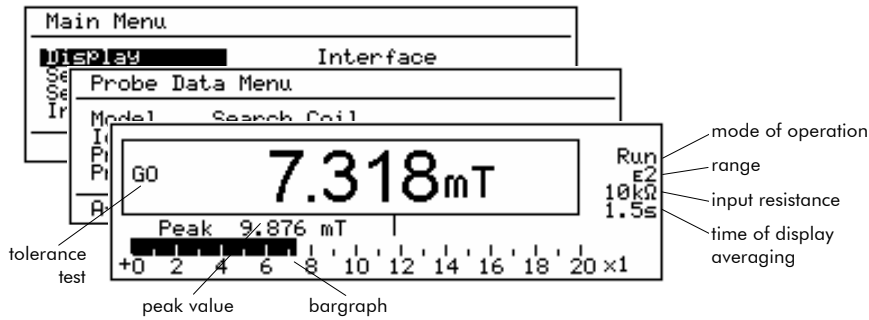
### Peak Value Measurement

analog	an analog peak hold circuit stores even short peaks. The absolute value is displayed. Maximum delay until output of value to analog output is 62.5 ms (as option)	digital	max. displayed reading is stored, time slot pattern 62.5ms (standard)
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### Software functions

- Compensation of drift
- Enable the external control of all fluxmeter functions
- Digital smoothing of reading
- Conversion of units
- Self calibration
- Bargraph
- Tolerance test
- Percent reading
- Storage of probe parameter
- Manual range control, auto ranging

## Display Example



## Scope of Delivery

- Fluxmeter
- Operation manual
- Test report
- Floppy disk containing demo program ( DOS version )

## Options

- Opt. 001 fast analog peak value indicator
- Opt. 002 IEEE-488 (GPIB) interface
- Opt. 003 insulated parallel BCD output
- Opt. 004 external tolerance display
- Opt. 010 additional operation manual
- Opt. 999 2 more years of warranty

## Deliverable Accessories

- Search coils
- Helmholtz coils
- Potential coils
- Reference magnets
- Probe plug equipped with a 2 pole shielded cable, 2m long, for connection of self made coils to the fluxmeter. Built-in memory chip.
- Switch box for the connection of up to 5 probes to the fluxmeter. Power supply and control via single cable to fluxmeter.
- Adaptor box with built in memory chip for the connection of probes with 4mm plugs (19mm distance). Length of connecting cable: 1m.
- Coaxial cable 2m, BNC plugs at both ends
- Connecting cable for RS-232 interface, 2.5m long, 9 pole plugs at both ends
- Adaptor 9 pole plug to 25 pole socket
- Mounting kit for assembly of fluxmeter into 19" rack

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Dimensions	125mm x 260mm x 260mm (H x W x D) 4.9" x 10.24" x 10.25" (H x W x D)
Weight	3.2 Kg (7 lb.) not including packing and accessories
Power Supply	100-130V / 210-250V internal voltage selection
Power Line Frequency	50-60 Hz
Power Consumption	max. 25VA
Warranty	12 months standard (36 months with Option 999)

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Further information? Please contact us:

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