



# D-FLUX FLUXMETER

Precise volt-second integrator to measure the magnetic flux with a variety of sense coils.

# FLUXMETER D-FLUX

## DESCRIPTION

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The instrument can be used in connection with a big variety of measuring coils, such as search coils, Helmholtz, potential coils. The reading gives automatically the magnetic flux linked with the coil, based on the Faraday's induction law.

## KEY BENEFITS

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- Fast analogue integration and digital signal elaboration
- High stability and automatic drift control
- Get the best resolution and accuracy with 7 setting ranges
- Easy-to-use menu
- Direct reading in volt-seconds, webers, maxwells
- Calibrated analogue output
- High input resistance
- Customizable with a wide variety of measuring coils

## APPLICATIONS

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- Magnetic field measurement
- Measure properties of soft and hard magnetic materials
- Quality control of magnetic devices, including holders, motors, loudspeakers
- Direct in-line control of the magnetic systems after magnetization and calibration (treating)
- Used in BH tracer for DC and AC materials characterization

# TECHNICAL SPECIFICATIONS

## GENERAL

INPUT	2 inputs available, in front and back panels
INPUT RESISTANCE	10 k $\Omega$ x range
MAXIMUM INPUT VOLTAGE	60 Vpp
KEYPAD	7 Keys
DISPLAY	2 Lines x 20 characters LCD LED backlight
DISPLAY UPDATE RATE	Selectable between 1 to 25 updates/second
DISPLAY UNITS	volt • second, weber, maxwell
DISPLAY PARAMETERS	Measurement Mode: Normal bipolar, unipolar, peak max-min hold, alarm status
DISPLAY COLOR	White characters, blue background

## MEASUREMENTS

RANGES	2000 x (1, 2, 5, 10, 20, 50, 100) $\mu$ Wb
MEASUREMENT RESOLUTION	1, 2, 5, 10, 20, 50, 100 $\mu$ Wb
DISPLAY RESOLUTION	To 4 <sup>1</sup> / <sub>2</sub> digits
ACCURACY	$\pm$ 0.5 % of reading, $\pm$ 1 digit
DRIFT	Less than 1 digit/minute
FREQUENCY RESPONSE	DC - 1 kHz
INTERFACES	RS-232 (2400, 4800, 9600 baud), Threshold Limit Relays
ANALOG INPUT	BNC, $\pm$ 2 V full scale, $\pm$ 1%, $\pm$ 1 mV accuracy

## PHYSICAL

POWER REQUIREMENTS	100 - 240 VAC 50/60 Hz
MAX CURRENT ABSORPTION	0.3 A
WORKING TEMPERATURE	10 to 40 °C
WARM UP TIME	30 minutes
SIZE	447 x 273 x 107 mm (with pedestal) 17.60" x 10.75" x 4.20" (with pedestal)
WEIGHT	5 kg (11 lb)
APPROVAL	CE mark






## CONTACT US

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