



Laboratorio Elettrofisico
LE GROUP



D-FLUX FLUXMETER

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

FLUXMETER D-FLUX

DESCRIPTION

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

- 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

- 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 Ω 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) μ Wb
MEASUREMENT RESOLUTION	1, 2, 5, 10, 20, 50, 100 μ Wb
DISPLAY RESOLUTION	To 4 ¹ / ₂ 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



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