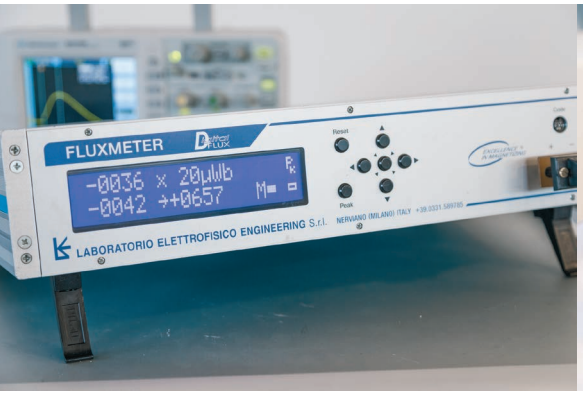
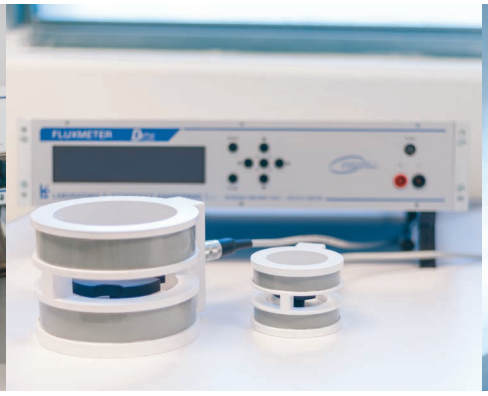
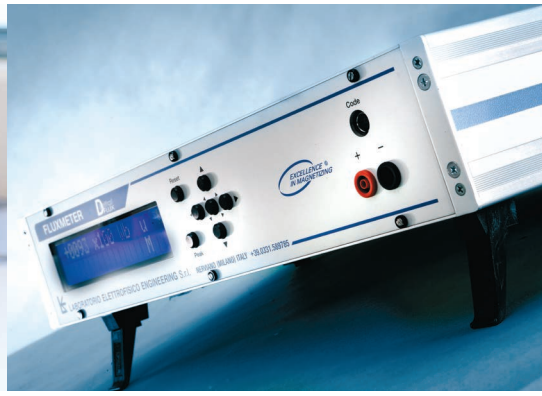
LABORATORIO ELETTROFISICO

D-FLUX - DIGITAL FLUXMETER



Cost-efficient, ready to use out of the box

Laboratorio Elettrofisico's digital fluxmeter utilizes sense coil technology to measure average flux density and total flux. Our precision fluxmeters arrive ready for typical use and do not need any initial adjustments or settings. There are additional options, which you can set to further customize your measurement process — pairing with Helmholtz coils being one of the most widely used solutions. Ask an LE expert for all the details.

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
- Both corrected and uncorrected 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 SPECS

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 character 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

Displays and serial output	
Ranges	2000 x (1, 2, 5, 10, 20, 50, 100) µWb
Measurement Resolution	1, 2, 5, 10, 20, 50, 100 µWb
Display Resolution	To 41/2 digits
Accuracy	±0.5 % of reading, ± 1 digit
Drift	Less than 1 digit/minute
Frequency Response	DC - 1 kHz
Interfaces	RS-232 (2400, 4800, 9600 baud), Threshold Limit Relays
Analog Outputs	
Connectors Type	BNC (minimum load - 50)
Type	Corrected-uncorrected (selectable)
Scale	±2 V Full Scale
Accuracy	±1 % of reading, ± 1 mV

PHYSICAL

Power Requirements	Continuous between 100 - 240 VAC 50/60 Hz
Max current absorption	0.3 A
Working temperature	10 to 40 °C
Warm up time	30 minutes
Size	483 x 380 x 88 mm (19.02” x 14.96” x 3.46 “)
Weight	5 kg (11 lb)
Approval	CE mark

FUNCTIONS

- Direct measure bipolar or absolute value
- Max-min hold
- Peak
- Alarms (2 alarms, min-max)
- Manual/automatic drift control
- Manual/remote reset
- Manual/remote range changing
- Uncorrect/corrected analogue output