



Fluxmeter B2

Fluxmeter B2 with interface RS 232

Fluxmeter B2 with interface RS 232 is a table Instrument for mains operation.

Together with corresponding measuring coils for example, the following magnetic parameters can be measured with this instrument:

- magnetic field strength H
- magnetic induction B
- magnetic moment M
- magnetic potential P
- magnetic operating point
- internal magnetization B-H
- magnetic polarization

The Fluxmeter B2 is an electronically integrating digital display instrument featuring high sensitivity and low drift. Its versatility permits utilization in the laboratory as well as in production.

Our entire range of measuring coils can be utilized with this instrument to make the B2 a universal instrument for measuring magnetic parameters.

The Fluxmeter B2 has four measuring ranges, in all of which the sensitivity can be adjusted continuously from 10 - 110% with setting controls.

A coarse adjustment and a fine adjustment are provided for the drift compensation.

The Fluxmeter B2 is equipped with an analogue output for connecting a chart recorder or an analogue/digital converter for digital further processing of the output signal.

Accessories

- Field coils
- potential coils
- Helmholtz coils
- surrounding coils
- spot measurement coils
- coils for loudspeaker magnets and counter brake magnets.

Interface

- RS 232
- maximum value memory
- window comparator with relay output

Fluxmeter B2 with interface RS 232

Technical Data

Display	LED-digital display, 3 1/2 digit, 3 measurements/sec, automatic polarity display, maximum value memory
Measuring ranges [Vs]	$2 \times 10^{-4} / 2 \times 10^{-3} / 2 \times 10^{-2} / 2 \times 10^{-1}$
Measuring constant (Vs/Digit)	$10^{-7} / 10^{-6} / 10^{-5} / 10^{-4} \times (1 + R_s : 10^4 \Omega)$
Integration constant (s)	$10^{-3} / 10^{-2} / 10^{-1} / 10^0$
Testing accuracy	$\geq 0,6 \%$
Reproducibility	$\geq 0,3 \%$
dφ/dt max. [Vs/ms]	0,06
Drift [Vs/min]	$\leq 3 \times 10^{-6}$
Input	$R_i = 10^4 \Omega$
Output	Analog output $\pm 199,9$ mV equal 1999 digit, analog output for connecting a chart recorder or an analogue display
Power supply	230 Volt, 50 Hz, ca. 5 VA
Interface	RS 232 (V24), window comparator with relay output
Dimension	260 mm x 110 mm x 265 mm (B x H x T)
Weight	ca. 2,5 kg