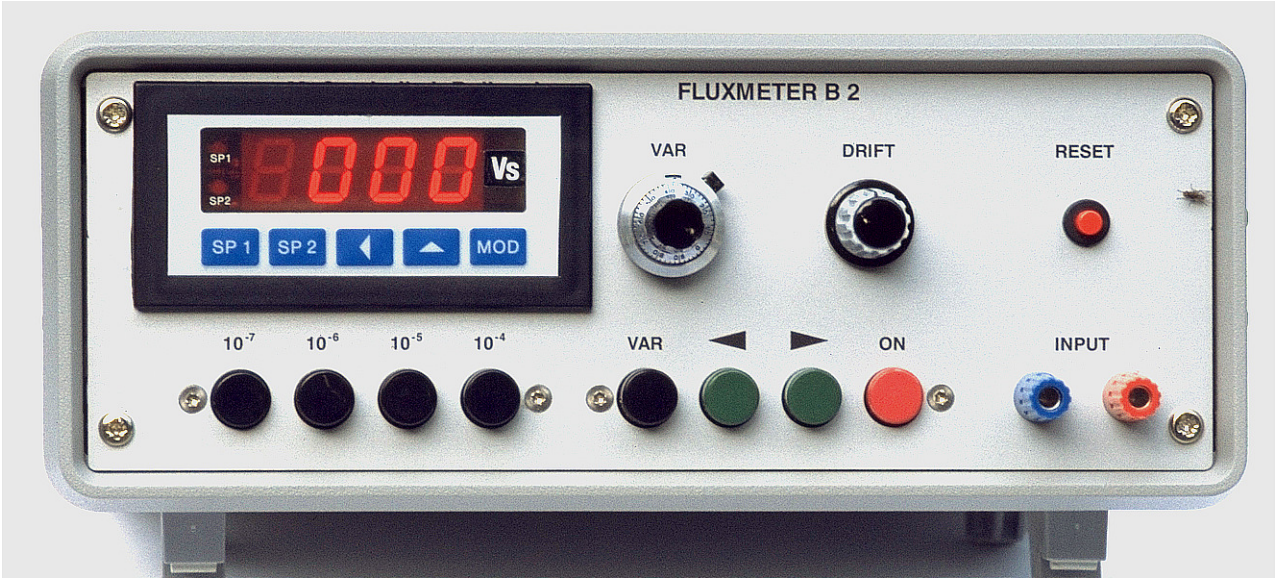
Fluxmeter B2
with Interface RS 232
Table Instrument for Mains Operation

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 magnetisation B-H ***
*** magnetic polarisation ***



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

Our entire range of measuring coils can be utilised 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

Analogue display AZ1: An analogue display with pointer meter that can be read clearly from a distance of up to 3 metres is available as table instrument for making serial measurements.
The analogue display is connected to the analogue output of the Fluxmeter B2.
An additional power supply is not required.
The respective tolerance range can be marked on the transparent meter cover with a marking pen so that when making the measurements it is unambiguously visible whether the meter pointer is within the tolerance range, indicating that the reading is "good".
The sensitivity of the analogue display can be adjusted continuously from 10% to 100% with a potentiometer.

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Technical Data:

Display	LED-digitaldisplay, 3 1/2 digit, 3 measurements/sec., automatic polarity display, maximum value memory
Measuring ranges (Vs)	$2 \cdot 10^{-4}$ / $2 \cdot 10^{-3}$ / $2 \cdot 10^{-2}$ / $2 \cdot 10^{-1}$
Measuring constant (Vs/Digit)	10^{-7} / 10^{-6} / 10^{-5} / 10^{-4} • $(1+R_S:10^4\ \Omega)$
Integration constant (s)	10^{-3} / 10^{-2} / 10^{-1} / 10^{0}
Testing accuracy	≥ 0,6 %
Reproducibility	≥ 0,3 %
d□/dt max.	0,06 Vs/ms
Drift	≤$3x10^{-6}$ Vs/min.
Input	$R_i = 10^4\ \Omega$
Output	Analogoutput ± 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

Technical changes reserved! Exclusively the specifications in the offer are binding!

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