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"Since 1982, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success."

GM-70

CE

MAGNETIC FIELD ANALYSER

VERSION 12/21

Nº 1665723

The magnetic field analysis device is intended for detecting magnetic DC and AC fields. It is a highly sensitive magnetic field measuring device for a wide range of applications in industry, development, electronics and mechanics. It is suitable for checking the function of energised coils, e.g. in relays, in solenoid valves, etc. Since it is a non-contact magnetic field analysis device, in most cases you will not need to open the housing to facilitate testing.

The sensor enables the measurement of DC and AC magnetic fields in the range 300 to 3000 mT or 150 to 1500 mT (millitesla). When measuring DC magnetic fields, the polarity of the magnetic field (north/south) is displayed. The high sensitivity of the sensor enables measurement of magnetic fields for reference purposes. An RS232 interface allows forwarding and processing of measurement data by means of an appropriate (optional) data cable.

A 9 V block battery is required for operation (included). Operation with a power adapter is also possible. The power adapter is not included with the product.

This product is intended for indoor use only. Do not use it outdoors. Contact with moisture (e.g. in a bathroom) must be avoided under all circumstances.

HIGHLIGHTS

Versatile applicable in industry, materials research and laboratories //

Separate sensor for easy operation and for remote measurement //

Robust compact housing for secure transport //

The highest possible accuracy through an integrated circuit //

Extensive functions //

Hall effect sensor with automatic temperature compensation //



TECHNICAL DATA

Power supply	9 V/DC (alkaline battery) AC/DC AP-9 VA (power adaptor not included, must be purchased separately)
Input current	15 mA (in operation)
Standby	0.0 μ A
Battery life	Approx. 9 hours in continuous use.
Sensor	Hall effect sensor with automatic temperature compensation (ATC)
Units of measurement	G (Gauss), mT (millitesla)
Fields	DC and AC field measurement
Measurement ranges (DC)	300 mT x 0.01 mT/ 3000 mT x 0.1 mT or 3000 G x 0.1 G /30000 G x 1 G
Field strength (AC)	150 mT x 0.01 mT/ 1500 mT x 0.1 mT or 1500 G x 0.1 G/15000 G x 1 G
Accuracy	At 23 °C \pm 5 °C, DC \pm (5 % rdg. + 10 digit) AC \pm (5 % rdg. + 20 digit)
Resolution	0.01/ 0.1 mT, 0.1/ 1 G
Frequency range	50/60 Hz (for AC)
Pole indication	North pole/south pole
Field direction	Uniaxial
Data connection	RS232

PACKAGE CONTENT

1x Magnetic field analyser // 1x Probe // 1x 9 V battery // 1x CA-06 storage case // Operating instructions //

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