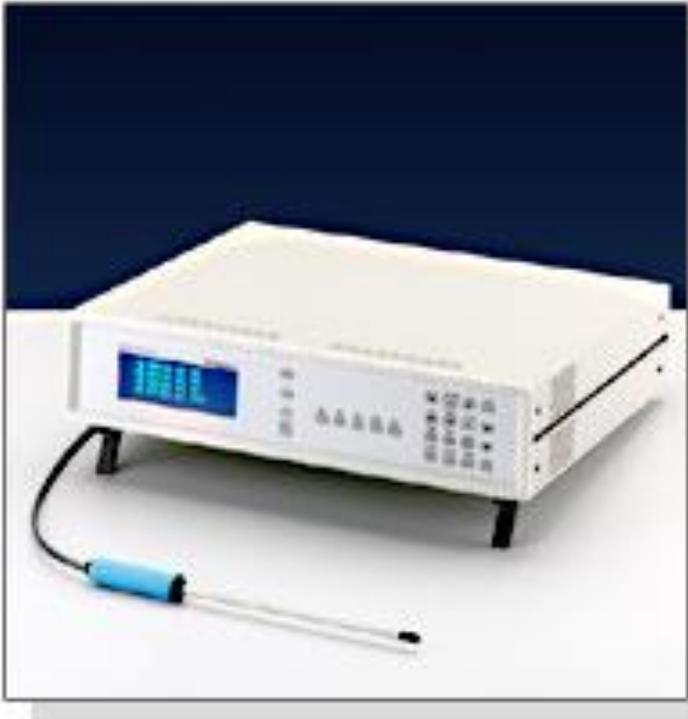


Gaussmeter 460



- Three-channel Gaussmeter for determining the magnetic field strength of permanent magnets and systems
- Measurement of magnetizing pulses
- User-friendly measuring instrument
- Mains supply
- Application in laboratories and in production lines
- Field and temperature measurement via the probe input
- Automatic temperature compensation
- Application as a single-, two- or three-channel Gaussmeter

Operating Principle

Multi-channel Gaussmeter with a resolution of 5 3/4 digits. Up to a maximum of three probes can be connected simultaneously. Each measuring channel is shown in one line in the display. Measurement of Hall voltage created in the Hall sensor which is proportional to the adjacent magnetic field.

All the functions are displayed and controlled via the front panel of the instrument. Input via keyboard, readings on a 4-line fluorescent display with alphanumeric text. Measuring range, zero, and functions such as max hold, relative or alarm, can be set individually for each channel.

Two analogue outputs provide high accuracy and the possibility to analyse the development of the field. The corrected analogue output shows the exact value displayed, the non-corrected analogue output shows the field strength in real time.

The comprehensive Hall probe programme includes over 500 different measuring probes, as well as conventional transverse and axial probes and probes for bi-and tri-axial measurements. BROCKHAUS also supplies probes for low temperature applications and for measuring minimal magnetic fields.

Technical data:

Measuring mode:

Measuring range:

Measuring frequency:

Measuring accuracy:

Repeatability:

Measuring rate:

Resolution:

Display:

Probe type:

Temperature range:

Analogue outputs:

Interfaces:

Power supply:

Functions:

Accessories:

Special accessories:

Gaussmeter 460

measurement of Hall voltage

300 mG, 3 G, 30 G, 300 G, 3 kG, 30 kG, 300 kG

DC, 10 Hz - 400 Hz

± 0,1 % of DC value, ± 2 % of AC value

0,005 % of measuring range

± 0,0007 %

4 measurements/sec / display

18 measurements/sec / interface

Selection of measuring range: automatic or manual

5 3/4 digits (1 of ± 300.000)

4-line, vacuum-fluorescence

all laboratory probes

0°C - 40°C

corrected and non-corrected ± 10 V

RS-232, IEEE-488

100 - 240 V AC, 50 / 60 Hz

Max Hold, Filter, Alarm, Zero Probe, Relative Reading, Auto Range, Memory Hold, AC/DC, Gauss, Tesla, Keylock, Pulse Field Measurement

Zero gauss chamber, power cable, operating manual

probe cable in lengths 3 / 7,6 / 15,24 / 30,49 m

305 mm zero chamber / interface cable

19" drawer