



- Hand-held device for determining magnetic field strength
- High accuracy of 0,5% and repeatability
- Latest LiPo battery technology (USB charging)
- Easy to operate with intuitive touch screen operation
- Compact & ergonomic design

## Features

- Multicolour touch TFT 320x240px
- 4 measuring ranges and Auto range
- From DC to 10kHz AC fields (TRUE RMS)
- Automatic probe detection
- Display in Gauss, Tesla, Oersted or A/m
- Bargraph visualization
- Fast Peak hold detection
- Digital band filter for pulse measurement
- Functions: Max/Min hold, Alarm, Relative, Auto zero, Data storage, Data transfer to PC

Measuring Technology for Hard Magnetic Materials

## Gaussmeter BGM 101

# Gaussmeter BGM 101

## Operating principle

The Gaussmeter enables a precise and user-friendly magnet field measurement by means of Hall sensors. The operation of the Gaussmeter is via a multicolour touch display and individually programmable display settings.

The Gaussmeter is supplied with a LiPo battery pack which ensures long-term operation. The battery pack can be charged either by USB or power adapter.

Data transfer is via USB interface thus enabling further data processing of the magnet field measurement on a PC.

Special attention has been given to extremely thin and flexible Hall probes which allow magnetic field measurements even in the tightest of spaces.

## Technical Data

Measuring mode	Hall sensor technology (axial or transversal)
Measuring range	4 mT, 40 mT, 400 mT, 2 T, AUTO
Frequency	DC to 10 kHz
Measuring accuracy	0.5 % for DC and AC
Measuring rate	20,000 samples/s
Display	320x240px multicolour touch TFT
Probe	transversal (BTP-101) axial (BAP-101)
Temperature range	0-50 °C
Weight	185 g
Dimensions	L 120mm x W 72 mm x H 25 mm
Power supply	LiPo battery 2500mAh (power supply or USB)

## Gaussmeter packages

GAU-005000	Gaussmeter package complete BGM-101, 1 x selectable probe, 1m probe extension cable BPC-101, Zero field chamber BZC-101, USB cable, battery charger, PDF manual, Aluminum hard case.
GAU-005001	Gaussmeter package basic BGM101, 1 x selectable probe, USB cable, battery charger, PDF manual

## Accessories

GAU-005002	Zero field chamber BZC-101
GAU-005004	Additional axial probe BAP-101
GAU-005005	Additional transversal probe BTP-101
GAU-005003	Aluminum hard case
GAU-005006	Probe extension cable (1 m) BPC-101

Other measuring systems

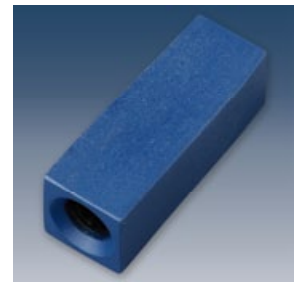
[Hystograph](#)  
[AC/DC Hystograph](#)  
[XYZ Field Scanner](#)  
[Fluxmeter](#)

Product divisions

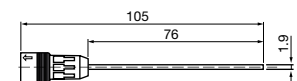
[Measuring Technology for Soft Magnetic Materials](#)  
[Magnetizing Technology](#)  
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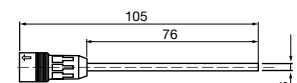
Gaussmeter package



Zero field chamber BZC-101



Axial probe BAP 101



Transversal probe BTP 101

## Probes



Multicolour touch display

**BROCKHAUS**  
MEASUREMENTS