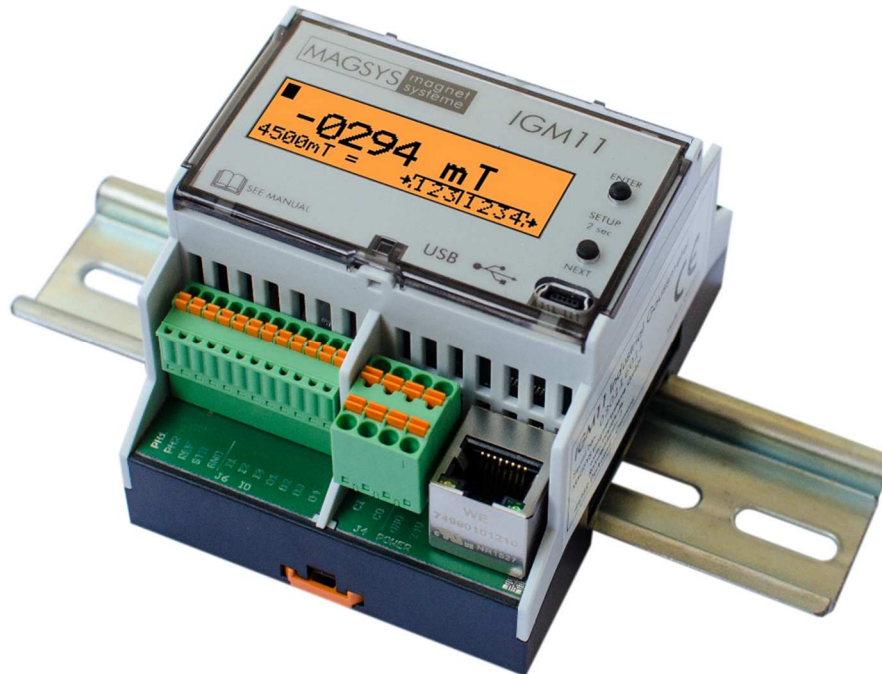


Complete functionality for industrial application. Data storage on PC or control via standard interfaces. Digital interface.



## Industrial Gaussmeter IGM11

### Application

The industrial gaussmeter IGM11 is used to measure magnetic DC and AC fields. The measurements are flux density in Tesla or Gauss and the field strength in Amps per meter.

It has a high measuring accuracy with several built-in features.

### Function Description

The IGM11 is standardly equipped with a compact axial probe. Special probes available. All probes are equipped with EEPROMs for identification, parameterization and linearization.

The measuring range is up to 10 Tesla for the flux density and 8000 kA/m for the field strength respectively. The resolution is down to 1  $\mu$ T or 1 A/m.

Further features are peak hold (positive and negative), linearity adjustment, null balance and automatic limit value monitoring. The measuring values can easily be visualized and stored on the PC or a control. Service and control functions are also available with the software.

The device can be parameterized via the control keys or via a Windows program using the USB interface.

## Technical Data

Display	Graphics LCD (illuminated)		
Units	T(esla)	G(auss), Oe(rsted)	A(mps)/m(eter)
Measuring Ranges / Resolution (Measurements beyond 4.5 T only with special probes)	10 T / 1 mT	100 kG, kOe / 10 G, Oe	8000 kA/m / 1 kA/m
	1 T / 100 $\mu$ T	10 kG, kOe / 1 G, Oe	1000 kA/m / 100 A/m
	100 mT / 10 $\mu$ T	1 kG, kOe / 100 mG, mOe	100 kA/m / 10 A/m
	10 mT / 1 $\mu$ T	100 G, Oe / 10 mG, mOe	10 kA/m / 1 A/m
Accuracy	DC $\pm$ 0.5 % up to 1.5 T and $\pm$ 1 % from 1.5 T; Peak $\pm$ 2 %; AC $\pm$ 2 %		
Frequency Range	DC / AC 0 Hz..5 kHz (r.m.s. value)		
Peak Hold	$t_{\text{signal}} > 250 \mu\text{s}$		
Power Supply	11,5..26,5 V DC, 2,4W (200mA/100mA)		
Temperature Range	0°C .. +55°C (non bedewing)		
Dimensions	approximately 72 x 90 x 63 mm <sup>3</sup> (W x H x D), assembly on cap rail		
Weight	approximately 150 g		
Measuring Probes	Axial Probe		
	All Probes: Active area $\varnothing$ 0.15 mm Cable length: 1.5 m (Special lengths available) Integrated EEPROM		
Interfaces	USB for parameterization  EIA-232  Ethernet 10 MBit / 100 MBit  Data protocol RFC 854  3 dig. Inputs 24V, 4 dig. Outputs 24V, fully parameterizable		

The specifications are subject to change without notice.

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