

Gaussmeters 8000 series



The model 8000 series Gauss/Tesla meters utilize Hall effect probes to measure magnetic flux density in units of Gauss, Tesla, Amp/meter, or Oersted. Either steady state or alternating fields may be measured. Each channel is calibrated and linearized independently from data stored within the probes and meters. With a temperature compensated Hall probe, the instrument can also compensate for errors due to variations in probe temperature.

Common functions are activated quickly through the front panel keypad, with each channel having its own identical set of keys. In addition each key has a back light that is illuminated to indicate that it is active. Less commonly used functions are easily accessible through the menu system.

Applications

- 3D field mapping
- Magnetic recording inspection
- New magnetic assembly designs
- Medical devices
- Permanent magnet inspection
- Testing audio speaker magnet assemblies

Contact

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Gaussmeters

8000 series

Specifications

Model:	8010	8030
Basic DC accuracy	±0.05% of reading and ±0.01% of range	
AC peak accuracy	5% of reading	
Update rate	5 / second (maximum)	
Min/Max hold acquisition time	200 mS for AC or DC mode	
Signal type	Solid state relay closure	
Switching voltage	30 V DC or AC peak max	
Switching current	0.100 A DC or AC peak max	
On-state resistance	25 Ω	
Power:	100/120 V	220/240 V
Volts	50-60 Hz	50-60 Hz
Frequency	1.0 A	0.5 A
Current		
Display	TFT color, LCD display with backlighting	
Readings	Gauss, Tesla, Amps/meter	
Analog output impedance	< 100 Ω	
Analog output connector	Standard female BNC	
Warm up time to rated accuracy	60 minutes	
Operating temperature	0°C to 70°C	
Storage temperature	-20°C to 60°C	
Size	11.5" x 5.2" x 14.5" (292 x 132 x 368 mm)	
Weight - net	11.5 lbs. (5.3 kg)	
Shipping weight	17.7 lbs. (8.1 kg)	

Note: Due to continuous process improvement, specifications are subject to change without notice