

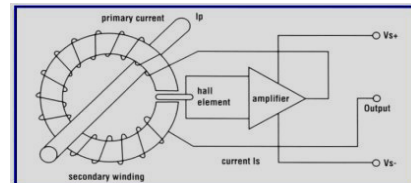
PRECISION GAUSS METER (A.C./D.C./PULSE)

Introduction:

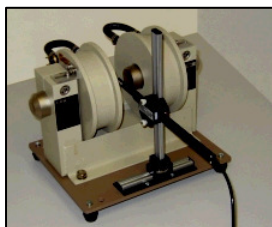
MHEMM series of high precision gaussmeter (radial/axial/spherical) are available in more than 20 different regular models apart from tailor made modules. These magnetometer can measure static/pulse/A.C. magnetic field with very high precision up to 0.01 gauss consistently and are accordingly first choice of solid state physical application, geology application, super conductivity, telecom, airlines, railways, electrical utilities, battery operated vehicles, electrochemical, corrosion, petrochemical industry, organic/inorganic chemical, heavy electrical/mechanical industries, machine tools, non-conventional energy and many uncountable defense/nuclear applications. These are also being successfully acknowledged in power sector at distribution/transmission level and generation for measurement/control /protection applications.

Benefits:

- High input impedance/Low input biased current /higher accuracy.
- 5-1/2/6-1/2 digit display /Consistent performance over large temperature/humidity range (70°C and 80 % RH)
- Scaled directly in nano ampere with repeatable accuracy.
- Auto/manual zero offset without drift.
- Auto drift tracking
- RS-32 interface/high sample rate – 2000 sample/second.
- Feed back current measurement technique.



constructional detail of hall element



Gauss probe



MPGM-0999901



MPGM-1999906

Precision Gaussmeter

Model	Range gauss	Pulse/D.C./Pulse Frequency Range	Burden Count	Accuracy Restricted to Resolution level	Resolution Quantified/ optional	INTERFACE
MPGM-0099901	10.0/5.0 -099999	0-50K.Hz	< 100	99.99%	5 count	RS-232USB
MPGM-0099902	10.0/5.0 -099999	0-50 k.Hz	< 100	99.999%	5 count	RS-232/USB
MPGM-1999901	05.0/1.0 -199999	0-400K.Hz	< 20	99.99999%	5 count	RS-232/USB
MPGM-1999902	05.0/1.0 -199999	0-400 k.Hz	< 20	99.99999%	5 count	RS-232/USB
MPGM-1999901	05.0/1.0 -999999	0-400k..Hz	< 5	99.99999%	5 count	RS-232/USB
MPGM-9999902	05.0/1.0 -999999	0-400 k.Hz	< 5	99.99999%	5 count	RS-232/USB

General electrical/mechanical specifications:

Operating voltage: 220 volt A.C. (50-20,000 Hz)/ 12 volts D.C.
 Measurement range (full scale): as above in different model.
 Gauss range: as above
 Input capacitance: 10 nF
 Response time: 1000 sample/sec
 Burden: less than 100 count
 Accuracy error: 0.5/1.0/2.0 % reading
 Repeatability: 100 of reading
 Resolution: 0.1/0.01 gauss
 Linearity adjustment: upto 100 nano volt
 Input impedance: ultra high
 Filtering: low pass
 Offset: variable upto 10,000 nano volts (manual/auto)
 CMMR: >80 db at 50-60 Hz
 Isolation: > 100 giga ohm
 Size: 8X8x12 inches/rack mounted or portable
 Interface: RS-232

Option : ADDITIONAL SOFTWARE to plot gauss wrt any variable.

THESE SPECIFICATIONS OR PART THERE OF MAY BE MODIFIED TO MEET ANY TAILOR MADE SOLUTIONS.

NOTES: The numeral after product code indicates the (ampere meter) range and last digit corresponds to size (5x5x8, 8x8x12)

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