

DIGITAL GAUSSMETER (WITH INTERCHANGEABLE PROBE)

MODEL : DGM-202

- Wide Range (1G to 20KG)
- Excellent Linearity
- Excellent Stability

INTRODUCTION :

DGM-202 operates on the principle of Hall Effect in Semiconductors. A semiconductor carrying current develops an electromotive force, when placed in a magnetic field, in a direction perpendicular to the direction of both electric current and magnetic field. The magnitude of this e.m.f. is proportional to the field intensity if the current is kept constant.



This e.m.f. is called the Hall Voltage. The small Hall Voltage is amplified through a high stability amplifier so that a milli-voltmeter connected at the output of the amplifier can be calibrated directly in magnetic field unit (gauss).

APPLICATIONS :

- Wide application in industry where accurate measurements of magnetic field is required.
- Measurement of steady magnetic field e.g. in loud speakers, dynamo, moving coil instruments etc.
- Useful in laboratory experiment involving measurement of magnetic field.
- With easy interchangeability of Hall Probe, same gauss meter can be used with both transverse and axial probe.



VIJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

Dr. Baldev Singh Marg 28/147 Civil Lines, Roorkee-247667 Distt. Haridwar, Uttarakhand

Phone No.: 01332 - 272509, 7579200827

E-Mail : vijayantatechologies@gmail.com, vijaielectronics1965@gmail.com

SPECIFICATIONS :

Range	:	0-2KG, 0-20KG
Resolution	:	1 gauss at 2 K Gauss range
Accuracy	:	±0.5%
Temperature	:	Upto 40°C
Display	:	3½ digit, 7 segment LED DPM with auto polarity and overflow Indication
Power	:	220V ±10%, 50Hz
Transducer	:	Hall Probe – GaAs
Special Feature	:	Indicate the direction of the magnetic field
Weight	:	3Kg Approximately
Dimensions	:	280mm × 255mm × 120mm

Note: There may be any change in specification due to continuous R & D without notice.

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