

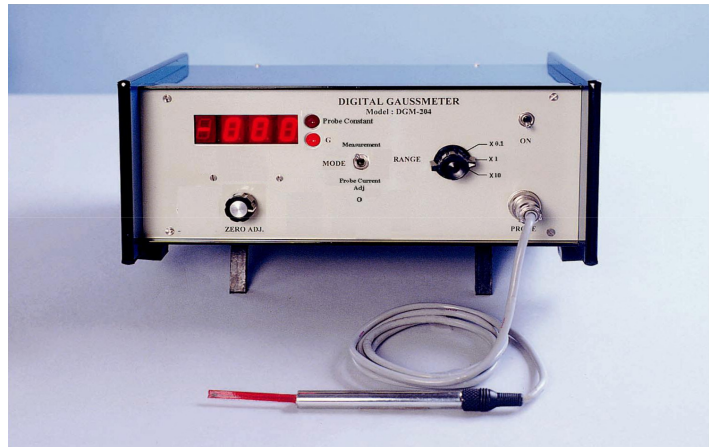
DIGITAL GAUSSMETER (WITH WIDE MEASUREMENT RANGE)

MODEL : DGM-204

- Wide Range (0.1G to 40KG)
- Excellent Linearity
- Excellent Stability
- Built-in computer interface

INTRODUCTION :

DGM-204 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. This 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 :

- Current from photo multiplier tubes, photometers etc.
- 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.

VJAYANTA TECHNOLOGIES PVT. LTD.

(Formerly Vijai Electronics)

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

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SPECIFICATIONS :

| | | |
|-----------------|---|--|
| Resolution | : | 0.1 gauss at 200G range |
| Range | : | 200G, 2KG, 20KG and 40KG. |
| Accuracy | : | $\pm 0.5\%$, $\pm 1/2$ digit at 2KG, 20KG & 40KG range $\pm 1\%$; ± 1 digit at 200G range |
| Temperature | : | Upto 40°C |
| Display | : | 3½ digit, 7 segment LED with autopolarity and decimal indication |
| Power | : | 220V $\pm 10\%$, 50Hz |
| Special Feature | : | Indicate the direction of the magnetic field |
| Weight | : | 3Kg Approximately |
| Dimensions | : | 280mm \times 255mm \times 120mm |

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

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