OMEGA®

A SIGN OF QUALITY PRODUCT

DIGITAL GAUSSMETER

OMEGA TYPE DGM-020

OMEGA TYPE DGM-020 Operates on the principle of Hall Effect in semiconductors. A semiconductor material carrying current develops an electro-motive 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 millivoltmeter 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 eg. in loud speakers, dynamos, moving coil instruments etc. Useful in laboratory experiments involving electromagnets.

SPECIFICATIONS

01	Range	:	0-2KG & 0-20 KG
02	Resolution	:	1 G at 0-2 KG range
03	Accuracy	:	± 0.5%
04	Temperature	:	Upto 50°C
05	Display	:	3½ digit, 7 segment LED DPM
06	Power Requirement	:	230VAC ± 10% at 50Hz.
07	Transducer	:	Hall probe with an imported Hall Element (InAs type)
08	Special Feature	:	Indicate the direction of the magnetic field.
09	Weight	:	3.600 Kg. (Approx)
10	Dimension	:	W 290 x H160 x D230

OMEGA ELECTRONICS

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