

Wide range, general purpose

AC/DC MAGNETIC METER

Model : MG-3002

ISO-9001, CE, IEC1010



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The Art of Measurement

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Wide range, general purpose AC/DC MAGNETIC METER

Model : MG-3002

FEATURES

* Wide range, general purpose magnetic measurement. for industrial, mechanical, material, electrical, laboratory field usage.
* Unit : G (Gauss), mT (milli Tesla).
* DC and AC magnetic field measurement
* DC Range : 300.00 mT/3000.0 mT. AC Range : 150.00 mT/1500.0 mT.
* Resolution : 0.01/0.1 mT, 0.1/1 G.
* N pole/S pole indicator.
* Use Hall sensor with automatic Temp. compensation.
* Zero button for DC magnetic function.
* Separate probe, easy operation and convenient for remote measurement.
* Data hold function for freezing the desired value on display.
* Records Maximum and Minimum readings with Recall.
* RS232/USB computer interface.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Heavy duty & compact housing with hard carrying case, designed for easy carry out & operation.
* Auto shut off is available to save battery life.
* Power supply from batteries or DC 9V adapter in.

SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.		
Display	LCD size : 52 mm x 38 mm dual function LCD display.		
Measurement Unit	mT	milli Tesla	
	G	Gauss	
Measurement Range, DC	mT	Range 1	300.00 mT x 0.01 mT
		Range 2	3,000.0 mT x 0.1 mT
	G	Range 1	3,000.0 G x 0.1 G
		Range 2	30,000 G x 1 G
Measurement Range, DC	mT	Range 1	150.00 mT x 0.01 mT
		Range 2	1,500.0 mT x 0.1 mT
	G	Range 1	1,500.0 G x 0.1 G
		Range 2	15,000 G x 1 G
Sensor	Hall sensor.		

Accuracy	DC	$\pm (5 \% \text{ rdg.} + 10 \text{ digit})$
	AC	$\pm (5 \% \text{ rdg.} + 20 \text{ digit})$
Frequency Response	AC measurement : 50 Hz / 60 Hz	
Temp. Compensation for hall sensor	Probe head build the Temp. sensor for using the ATC (automatical Temp. compensation).	
Field Direction	Uniaxial.	
Data Hold	Freeze the display reading.	
Memory Recall	Maximum & Minimum value.	
Display Sampling Time	Approx. 1 second.	
Power off	Manual off by push button or Auto shut off to save battery life.	
Data Output	RS 232/USB PC serial interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.	
Operating Temperature	0 to 50 °C .	
Operating Humidity	Less than 85% R.H.	
Power Supply	DC 1.5 V battery (UM4, AAA) x 6 PCs, Alkaline/heavy duty type or equivalent.	
Power Current	Approx. DC 20.5 mA .	
Weight	Approx. 270 g/0.60 LB. (include battery & probe)	
Dimension	Main instrument : 200 x 68 x 30 mm (7.9 x 2.7 x 1.2 inch).	
	Probe : 198 x 25 x 19 mm (7.8 x 1.0 x 0.7 inch).	
Accessories Included	Instruction manual..... 1 PC Magnetic Probe..... 1 PC Hard Carrying case, CA-06..... 1 PC	
Optional Accessories	RS232 cable, UPCB-02 USB cable, USB-01 Data Acquisition software, SW-U801-WIN	

* Appearance and specifications listed in this brochure are subject to change without notice.

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