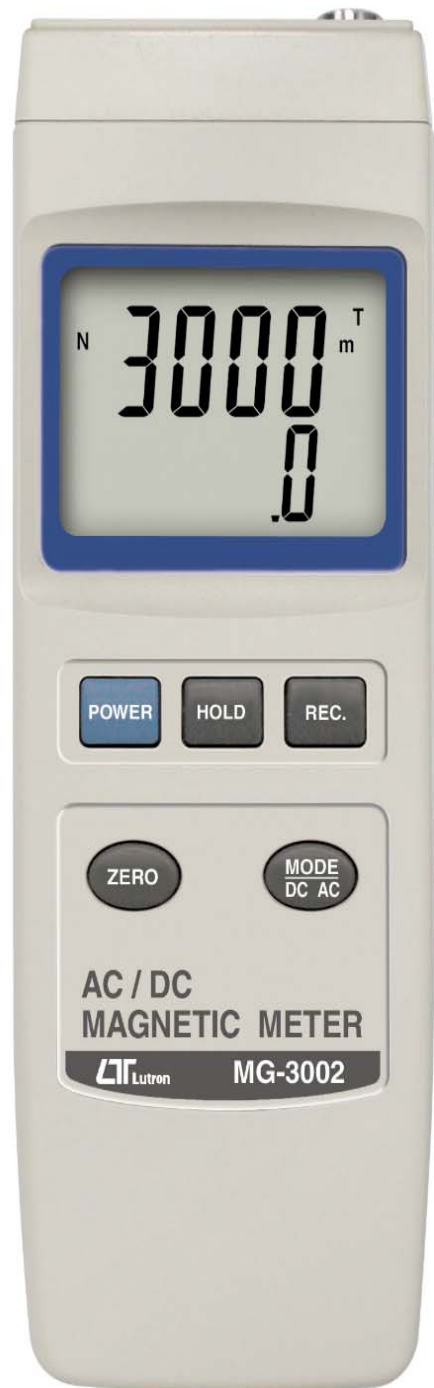


Wide range, general purpose

AC/DC MAGNETIC METER

Model : MG-3002

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

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, AC | 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. | | |
| Field Direction | Uni axial. | | |

| | | |
|------------------------------------|--|---------------------------|
| Accuracy | DC | ± (5 % rdg. + 10 digit) |
| | AC | ± (5 % rdg. + 20 digit) |
| Frequency | AC measurement : | |
| Response | 50 Hz / 60 Hz | |
| Temp. Compensation for hall sensor | Probe head build the Temp. sensor for using the ATC (automatical Temp. compensation). | |
| Data Hold | Freeze the display reading. | |
| Memory Recall | Maximum & Minimum value. | |
| Display | Approx. 1 second. | |
| Sampling Time | | |
| Power off | Manual off by push button or Auto shut off to save battery life. | |
| Data Output | RS 232/USB PC serial interface. <i>* Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.</i> | |
| Operating Temperature | 0 to 50 °C . | |
| Operating Humidity | Less than 85% R.H. | |
| Power Supply | 006P DC 9V battery (Alkaline or Heavy duty type). DC 9V adapter input. <i>* AC/DC power adapter is optional.</i> | |
| 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, SW-E802 | |

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