

-3,000 mG to 3,000 mG, -300.0 uT to 300.0 uT, AC/DC

PRECISION MILLI GAUSS METER

Model : GU-3001

ISO-9001, CE, IEC1010

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The Art of Measurement

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FEATURE

* DC/AC milligauss Magnetometer.
* Using exclusive high sensitivity sensor (better performance than the traditional Hall element sensor), available for high precision magnetic field measurement.
* Wide application for industrial, mechanical, material, electrical, laboratory field to check the material contains magnetic field value.
* DC and AC magnetic field measurement
* Wide measure range : $\pm 3,000$ milligauss.
* The meter can detect the magnetic fields as small as 0.1 milligauss.
* N pole/S pole indicator.
* Separate probe, easy operation and convenient for remote measurement.
* High precision magnetometer, even can measure the absolute environment Earth's magnetic field as reference.
* Zero adjustment button for relative measurement.
* Large S-TN type LCD, high contrast, easy readout.
* 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.

SPECIFICATION

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	LCD size : 52 mm x 38 mm dual function LCD display.	
Measurement Unit	mG : milligauss uT : micro Tesla	
Measurement Range	- 3,000 mG to 3,000 mG. - 300 uT to 300 uT.	
Frequency Response	DC AC : 40 Hz to 10 KHz	
Resolution	0.1 mG	- 199.9 mG to 199.9 mG.
	1 mG	≥ 200 mG, ≤ -200 mG
	0.01 uT	- 19.99 uT to 19.99 uT.
	0.1 uT	≥ 20.0 uT, ≤ -20.0 uT.
Accuracy	$\pm (2 \% + 2 \text{ mG })$ * -1,000 mG to 1,000 mG * -100.0 uT to 100.0 uT	
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	Main instrument : 321 g/0.71 LB. @ Battery is included. Probe : 78 g/0.17 LB.
Dimension	Main instrument : 173 x 68 x 42 mm (7.9 x 2.7x 1.2 inch) Probe : 177 x 29 x 17 mm
Accessories Included	Instruction manual..... 1 PC 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.

GU-3001+0801

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