AC/DC MAGNETIC METER

Model: MG-3003SD *ISO-9001, CE, IEC1010*





The Art of Measurement

SD card real time data recorder

AC/DC MAGNETIC METER

Model: MG-3003SD

FEATURES

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*	Wide range, professional magnetic measurement.
*	Unit : G (Gauss), mT (milli Tesla).
*	DC or AC magnetic measurement.
*	De magnetic range : 500.00 mm, 5000.0 mm.
*	AC magnetic range: 150.00 mT, 1500.0 mT.
*	Resolution : 0.01 mm/o.1 mm, 0.1 d/1 d.
*	DC polarity: N/S (north/south pole).
*	Sensor : Hall sensor.
	Zero adjustment.
*	Separate probe, easy to make the measurement.
*	Real time SD memory card Datalogger, built-in Clock
	and Calendar, sampling time can set from 1 sec to 8
	hour 59 min. 59 sec.
*	Manual datalogger is available, during execute the
	manual datalogger function, it can set the different
	location no. (position 1 to position 99).
*	Innovation and easy operation, computer is not need to
	setup extra software, after execute datalogger, just take
	away the SD card from the meter and plug in the SD card
	into the computer, it can down load the all the measured
	value with the time information (year/month/date/
	hour/minute/second) to the Excel directly, then user can
	make the further data or graphic analysis by themselves.
	SD card capacity: 1 GB to 16 GB.
	LCD with green light backlight, easy reading.
*	it can deradit acto power on or mandar power on:
*	Data Hold, record max. and min. reading.
*	Microcomputer circuit, high accuracy.
	Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
*	RS232/USB PC COMPUTER interface.
*	Wide applications: PCB industries, water conditioning,
	aquariums, beverage, fish hatcheries, food processing,
	photography, laboratory, paper industry, plating industry,
	quality control, school & college, water conditioning.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI				
	circuit.				
Display	LCD size: 52 mm x 38 mm.				
	Dot matrix LCD with backlight.				
Measurement	mT	milli Tesla			
Unit	G	Gauss			
Measurement	mT	Range 1	300.00 mT x 0.01 mT		
Range		Range 2	3,000.0 mT x 0.1 mT		
(DC function)	G	Range 1	3,000.0 G x 0.1 G		
		Range 2	30,000 G x 1 G		
Measurement	mT	Range 1	150.00 mT x 0.01 mT		
Range, AC		Range 2	1,500.0 mT x 0.1 mT		
(AC function)	G	Range 1	1,500.0 G x 0.1 G		
		Range 2	15,000 G x 1 G		
Accuracy	DC	± (5 % rdg. + 10 digit)			
(23±5°C)	AC	± (5% rdg. + 20 digit)			
Sensor	Hall sensor.				
Frequency	AC measurement :				
Response	50 Hz / 60 Hz				
Temp.	Probe head build the Temp. sensor				
Compensation	for using the ATC (automatic Temp.				
for hall sensor	compensation).				
Field Direction	Uniaxial.				

Datalogger	Auto	1 sec to 8 hour 59 min. 59 sec.			
Sampling Time		@ Sampling time can set to 1 second,			
Setting range		but memory data may loss.			
	Manual	Push the data logger button			
		once will save data one time.			
		@ Set the sampling time to			
		0 second.			
		@ Manual mode, can also select the			
		1 to 99 position (Location) no.			
Memory Card	SD memo	ory card. 1 GB to 16 GB.			
Advanced	* SD men	nory card Format			
setting	* Set clock time (Year/Month/Date,				
	Hour/M	inute/ Second)			
	* Set sam	pling time			
	* Auto po	wer OFF management			
	* Set bee	p Sound ON/OFF			
	* Decimal point of SD card setting				
	* Unit setting				
Data Hold		ne display reading.			
Memory Recall	Maximum & Minimum value.				
Sampling Time		1 second.			
of Display	. '				
Data Output	RS 232/L	JSB PC computer interface.			
A a	1	ct the optional RS232 cable			
		02 will get the RS232 plug.			
	* Connect the optional USB cable				
		will get the USB plug.			
Operating	0 to 50 °(
Temperature					
Operating	Less than	า 85% R.H.			
Humidity					
Power Supply	* Alkalin	e or heavy duty DC 1.5 V battery			
(UM3, AA) x 6 PCs, or equivalent.					
	* DC 9V adapter input. (AC/DC power				
	adapter is optional).				
Power Current	Normal operation (w/o SD card save				
	data and LCD Backlight is OFF):				
	Approx. DC 14 mA.				
	When SD card save the data and LCD				
	Backlight is OFF):				
	Approx. DC 37 mA.				
	* If LCD backlight on, the power				
	consumption will increase approx.				
	12 mA				
Weight	489 g/1.0	08 LB.			
Dimension	Meter	177 x 68 x 45 mm			
		(7.0 x 2.7x 1.9 inch)			
	Probe	198 x 25 x 19 mm			
		(7.8 x 1.0 x 0.7 inch).			
Accessories	* Instruction manual 1 PC				
Included	* Magne	tic Probe1 PC			
	* Hard carrying case (CA-06)1 PC				
Optional		1.413 mS Conductivity Standard			
Accessories	Solution CD-14				
	SD memory card (2 GB)				
	AC to DC 9V adapter.				
	USB cable, USB-01.				
	RS232 cable, UPCB-02.				
	Data Acquisition software, SW-U801-WIN.				
	Excel data Acquisition software, SE-E802.				
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^{*} Appearance and specifications listed in this brochure are subject to change without notice.