

SHT-I Digital Gaussmeter

OPERATION MANUAL



XIAMEN YUXIANG MAGNETIC MATERIAL IND CO., LTD.

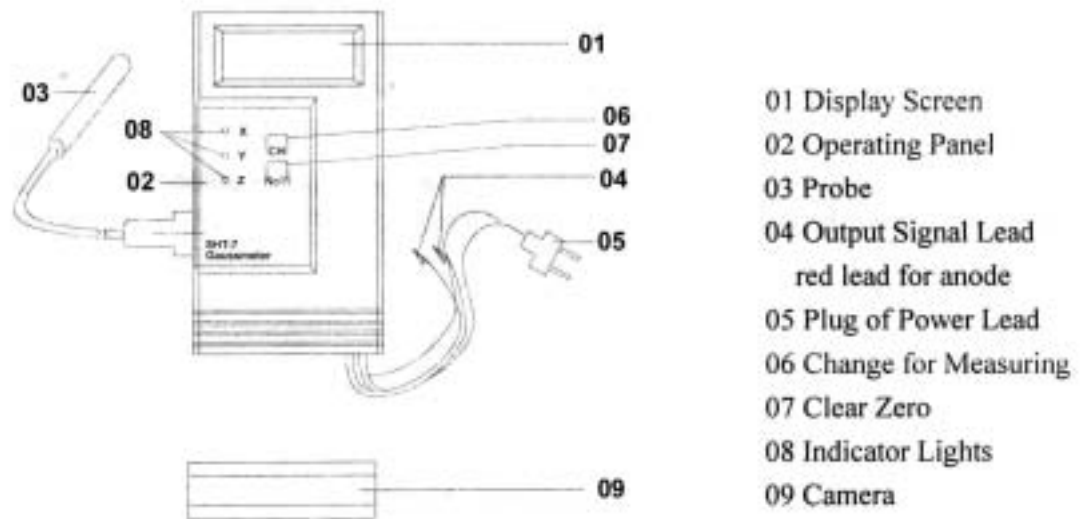
Jan 2005

SHT-7 Gaussmeter is an instrument that can measure three-dimensional magnetic

Xiamen Yuxiang Magnetic Materials Ind. Co., Ltd
Add: Floor 16, Jinyuan plaza, # 57 Hubin nan Road, Xiamen, CHINA 361004
Url: [Http://www.e-magnet.cn](http://www.e-magnet.cn) Email: yingli@magnets.com.cn or mag@e-magnet.cn

field. It employed a high precision A/D transmitter, 4.5-digit LCD display, and automatic switch for measurement range. You can clear zero and switch magnetic field vector by pressing button. Is also can export analog voltage signals.

FRONT PANEL DISCRIPTIONS



SHT-7 Gaussmeter

- | | |
|-----------------------------|---------------------|
| 10.Auxiliary Power Supply: | 85-265V AC,1W(max.) |
| 11.Operating Temperature: | 0°C -40°C |
| 12.Dimension of Instrument: | 140mm x 76mm x 34mm |
| 13.Dimension of Probe: | Φ 10 x 100mm |

- 01 Display Screen
- 02 Operating Panel
- 03 Probe
- 04 Output Signal Lead red lead for anode
- 05 Plug of power Lead
- 06 Change for Measuring
- 07 Clear Zero
- 08 Indicator Lights
- 09 Camera

Measuring Procedure

1. Power On: Put on the plug of power lead when operating. Put off the plug after action.
2. Clear Zero: Put the probe into the camera then press the “Null” button. The zero of X,Y,Z magnetic field can be cleared at the same time.
3. Define the orientation for X,Y,Z: Grasp the end of probe with right hand, put the profile downwards.
The anode of X axis: from head to end
The anode of Y axis: from left to right
The anode of Z axis: upwards
4. Measuring Magnetic Field: There are three indicator lights (marked with X,Y,Z). Press the “CH” button continuously, the Display Screen shows the vector for X,Y,Z in turn. The corresponding light turns on. The value of synthesized magnetic field will be displayed when three lights turn on at the same time.

Precaution

1. The probe cannot be bent, impacted, crashed and so on.
2. Pay attention to the voltage of power supply is within the range of operation.
3. The probe can only be used with the corresponding instrument; Number(s/n) of the probe is as same as the instrument.
4. Never open the instrument by yourself.
5. The short circuit of output voltage may damage the instrument.
6. When measurement is over range, the instrument display “1” or “-1”. Without connecting with probe or bad connection also has the same display.

Note:

We will do some improvements in the near future. (batch producing)

1. The improvement of case
 - A. Choose a small size lead for connecting.
 - B. Employ a connector between instrumentation and auxiliary power supply lead.
 - C. Employ a connector between instrumentation and output signal lead.
2. Add a power switch in the case.
3. Employ the customized auxiliary power supply lead and probe lead.
4. Enhance the beauty of probe.
5. Add the unit of mT or G to Liquid crystal display.

<i>Packing List</i>			
Product Name		Gaussmeter	
Type		SHT-7	
<i>Contents</i>			
Number	Name	Quantity	
1	Instrumentation	1	
2	Probe	1	
3	Camera	1	
4	Operation Manual	1	
Company	Shenyang HB-spinix Sensing Technology Co., Ltd.		
Address	No. 242 Beihai Street Dadong District Shenyang		
Tel	(+86)(24)28710005	Fax	(+86)(24)28710005
E-mail	sunrentao@hb-spinix.com market@hb-spinix.com	ZIP Code	110043
Web Site	Http://hb-spinix.com		

Xiamen Yuxiang Magnetic Materials Ind. Co., Ltd
Add: Floor 16, Jinyuan plaza, # 57 Hubin nan Road, Xiamen, CHINA 361004
Url:Http://www.e-magnet.cn Email: yingli@magnets.com.cn or mag@e-magnet.cn