

# DX-103 手持式数字高斯计



## 一、应用与特点

DX-1030 手持高斯计可用于测量交直流 空间磁场、永磁体表磁、地球磁场等等各类磁场的磁感应强度。其特点有：

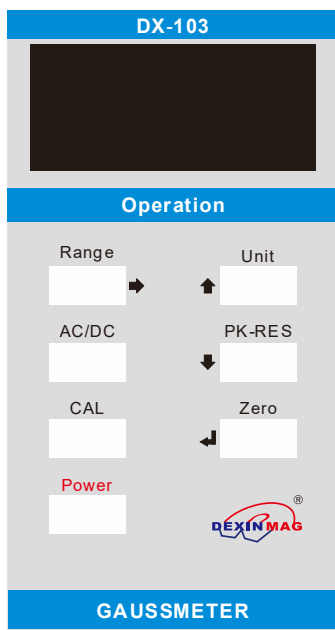
体积小，重量轻，便于携带，操作方便快捷；

功能完善，能准确测量交流和直流磁场、扫描保持正负峰值、宽范围自动量程、0.1Gs 分辨率、软件非线性修正、电池电量显示等功能；

180° 屏幕显示可视，日光下屏幕显示可视；

## 二、前后面板说明

### 1、面板按键操作



Range/右向键：测量量程切换，在校准界面下，方向键有效

Unit/上向键：单位切换，在校准界面下，方向键有效

AC/DC：交流直流测量模式切换

PK-RES/下向键：峰值清零，在校准界面下，方向键有效

CAL: 校准系统设置

ZERO/回车: 实时读数置零, 在校准界面下, 方向键有效

Power: 开关机

## 2、接口



1. HALL 探头接口

2. RS232 通讯端口

## 三、主要技术指标

- 1、量程范围: 0~0.3T~3T
- 2、准确度: 1.0% (对应各档满量程)
- 3、分辨力: 0.1Gs
- 4、被测磁场: 0-400Hz 磁场测量
- 5、功能说明: 峰值保持功能
- 7、静态磁场测量时可通过通数中的+、-号判断 N、S 极
- 8、一键清零
- 9、环境温度: 0°C~40°C
- 10、相对湿度: 20%~80% (无凝露)
- 11、供电电源: 220V 50HZ
- 12、外型尺寸: 90 (L) ×40 (W) ×170mm (H)
- 13、仪器重量: 340g
- 14、显示方式: 180°可视点阵 OLED
- 15、显示单位: Gs, mT, kA/m

# DX-103 Handheld Digital Gauss/Tesla Meter

## I. Application and Characteristics:

DX-103 handheld Gaussian meter can be used to measure the magnetic induction intensity of various magnetic fields such as AC / DC space magnetic field, permanent magnet surface magnetic field, earth magnetic field and so on. They are characterized by:

1. Small size, light weight, easy to carry, easy to operate;
2. Function is perfect, can accurately measure AC and DC magnetic field, scan to maintain positive and negative peak, wide automatic range , 0.1 Gs resolution, software nonlinear correction, battery power display and other functions;
3. 180°visual display screen, visual display under daylight.

## II. Panel Key Operation:

Range/ Right key: measuring range switch, direction key is effective at calibration interface;

Unit/Upward key: unit switch, direction key is effective at calibration interface;

AC/DC: AC, DC measurement mode switch;

PK-RES/Down key: peak zero, direction key is effective at calibration interface;

CAL: calibration system setup;

Zero: real-time reading zero, direction key is effective at calibration interface;

Power: power on/off.

## III.Interface:

1. Probe interface
2. RS232 communication interface

## IV. Main Technical indexes:

1. Range: 0~0.3T~3T
2. Accuracy :1.0% (corresponding to full range of each gear)
3. Resolution: 0.1Gs
4. Magnetic field measured :0-400Hz
5. Function Description: peak maintenance function
6. When measuring static magnetic field, the N S pole can be judged by “+” “-”
7. One-click zeroing
8. Ambient temperature: 0°C~40°C
9. Relative humidity: 20%~80% (without condensation)
10. Display mode: 180°visual OLED lattice screen

11. Display unit: Gs, mT, kA/m