Metrix+™
Innovative Excellence

GAUSS METER

GSS 200 & GSS 400

Measure magnetic field strength

Measuring principle

Gauss meter sensors work on Hall effect principle, where the hall sensor generates a voltage proportional to the magnetic flux density or magnetic field strength. The voltage signal is filtered using low drift amplifiers and other necessary filters, to display Tesla values to estimate the strength of magnetic fields.

Applications

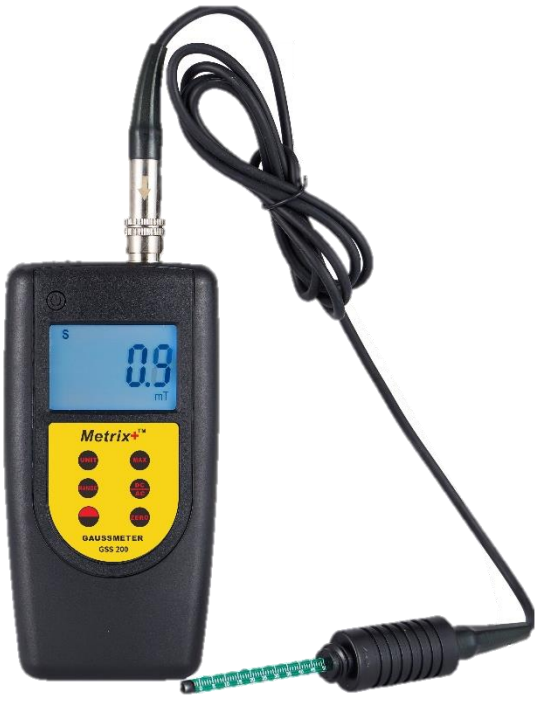
Our Gauss meters can measure both static magnetic fields(DC) and dynamic magnetic fields(AC). Suitable for radiation magnetic field, magnetic remanence, earth magnetic field, all kinds of magnetic induction intensity, etc.

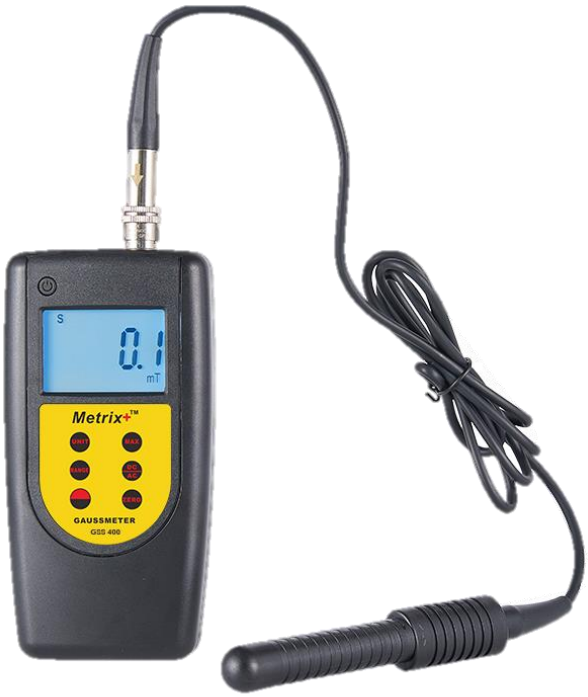
Field of Practical work:

1. Magnetic field distribution in the surface space of permanent magnet materials (that is, the magnetic field of measurement scale, as we usually call it);
2. Interstitial magnetic field in magnetic circuit structure;
3. A magnetic field generated by a device used to absorb ferromagnetic materials (e.g., iron remover, magnetic separator, magnetic chuck, electromagnet) by a permanent magnet or ac-DC current.Demagnetization device);
4. Environmental magnetic field (including geomagnetic field and residual weak magnetic field of ferromagnetic materials);

Features

- High accuracy due to high quality hall sensor
- Sensor with protective sheath
- Max hold with convertible unit mT/ Gs
- Range conversion





Technical Specifications

Model	*Metrix+* GSS 200	*Metrix+* GSS 400
Range	0-200mT-2000mT	
Frequency Range	10 ~ 200Hz	1 ~ 400Hz
Accuracy (measured in a uniform magnetic field)	0~100mT: 2% >100mT: 5%	DC: 1%, AC: 1%
Resolution	Range 200mT: 0.01mT Range 2000mT: 0.1mT	
Magnetic field under test	DC (static), AC(dynamic)	
Polarity in DC field	N for positive, S for negative	
Units	mT(milli-tesla)/ Gs(gauss)	
Features	backlit display, max hold, low battery indication, auto power off	
Operating	Temp: 0~50C, Humidity <80% RH	
Power source	4 x 1.5V AAA batteries or 5V DC power supply	
Dimensions	Main unit: 140 x 73 x 30mm, approx. 180g	
Std accessories	Main unit, sensor, manual, case	

Protective sheath for sensor, increases longevity