



Tenmars TM-197 AC / DC Magnetic Field Meter Gaussmeter Teslameter Data Logging



SKU: TENTM197BL
Country of Origin: Taiwan
Manufacture warranty period:
1. 12 months for meter only.
2. 30 days for Probe only.

Description

- Measure DC and AC(40-500Hz) magnetic field.
- DC N/S polarity of magnetic field display.
- After machine component are processed, remain the magnetism to measurement.
- Magnetic application products, the intensity of magnetic field measurement.
- After processing the stress with stainless steel material, remain the measurement of the magnetism
- Magnetic force measurement of the magnetisable material.
- Various steel products brought magnetic measurement naturally.
- Electrical home appliances products, the magnetic field intensity measurement of the motor
- Magnetic field intensity measurement of the permanent magnet.
- Exceed the leakage magnetic field of conducting the magnetite to measure

Application

- DC magnetic field meter measuring static magnetic strength.
- An electromagnetic wave (AC) simply means the wave motion of the electromagnetic field (EMF).
- Measuring extremely low frequency (ELF) of 40 to 500Hz.
- The magnetic field unit is Tesla (T), Gauss (G), milli-Gauss (mG) or micro-Tesla (uT).
- 1 T=10,000 G, 1uT=10 mG, 1 G=1,000 mG

Features

- The unit converts: 1mT=10G(Gauss)
- Relative / Peak Hold / Real time Zero function.
- LCD Back-light: Manually in a back-light to open and close, connect as connecting the power, in a back-light and long and on, it is in a back-light to connect the power and remove to close.
- DATA HOLD.
- MAX/MIN hold.
- GO and NO-GO alarm and alarm value set up the function, Production testing.
- Gauss/Tesla unit selection.
- Manual 200 capacity records.
- Auto 6000 capacity data logging, interval is set up by PC.
- Maximum and minimum average: record the data downloaded to the computer, automatically out of the calculation of the top 10 maximum / 10 minimum / average.
- Transmission interface: USB interface to send data + PC connection application software, real time function.

Specifications:

- Range: 0~3,000mT(milli Tesla) / 0~30,000G(Gauss), Auto Range
- Resolution: 0.1/1 mG or 0.01/0.1 mT
- AC Frequency response: 40Hz to 500Hz.
- Accuracy at 23 ±3°C, RH<85%

- **DC milli Tesla:**
 - Range: 300.00mT
 - Resolution: 0.01mT
 - Accuracy: ±(4% + 10dgt)
 - Range: 2,000.0mT
 - Resolution: 0.1mT
 - Accuracy: ±(4% + 10dgt)
 - Range: 2,000.1 ~ 3,000.0mT
 - Resolution: 0.1mT
- **DC Gauss:**
 - Range: 3,000.0G
 - Resolution: 0.1G
 - Accuracy: ±(4% + 10dgt)
 - Range: 20,000.0G
 - Resolution: 1G
 - Accuracy: ±(4% + 10dgt)
 - Range: 20,001 ~ 30,000G
 - Resolution: 1G
- **AC milli Tesla:**
 - Range: 150.00mT
 - Resolution: 0.01mT
 - Accuracy: ±(5% + 20dgt)
 - Range: 1,500.0mT
 - Resolution: 0.1mT
 - Accuracy: ±(5% + 20dgt)
- **AC Gauss:**
 - Range: 1,500.0G
 - Resolution: 0.1G
 - Accuracy: ±(5% + 20dgt)
 - Range: 15,000.0G
 - Resolution: 1G
 - Accuracy: ±(5% + 20dgt)



- **Temperature:**
 - Range: $-20\sim 50^{\circ}\text{C}$ / $-4\sim 122^{\circ}\text{F}$
 - Resolution: $\pm 0.1^{\circ}\text{C}/\pm 0.1^{\circ}\text{F}$
 - Accuracy: $\pm 1.0^{\circ}\text{C}/\pm 1.8^{\circ}\text{F}$
- Dimension: 156 x 73 x 35 mm (L x W x H)
- Battery: AAA X 6
- Operating temperature and humidity: $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- External AC 100~240V to DC 9V/0.5A power supply

Standards Certification:

- CE

Package includes:

- TM-197 Meter
- TM-197 Probe
- Blue rubber protection case for TM-197
- CD software
- USB Cable
- Power adapter
- User Manual
- 6 X AAA size batteries
- Soft carrying case

