



TM-10A Teslameter (Gaussmeter)

Product Application

1. Magnetic field distribution testing of permanent magnet motor rotors, such as new energy drive motors, servo motors, etc.;
2. Detection of ultra-strong magnetic fields, such as the magnetic field detection of superconducting magnets, etc.;
3. Detection of pulsed magnetic fields and magnetic field detection in high-temperature environments;

Product Selection list

gear shifting	model	function declaration
top gear	TM-10A-H-P	1、 Five-digit display 2、 Pulsed measurement (magnetization magnetic field measurement) 3、 measured value,maximum value hold
middle gear1	TM-10A-H-N	1、 Five-digit display 2、 measured value,maximum value hold
middle gear2	TM-10A-N-P	1、 Four-digit display 2、 Pulsed measurement (magnetization magnetic field measurement) 3、 measured value,maximum value hold
The lowest gear	TM-10A-N-N	1、 Four-digit display 2、 measured value,maximum value hold



Features:

1. A special - purpose instrument designed based on the Hall - effect principle for measuring DC and pulsed magnetic induction intensity.
2. It is one of the most widely used measuring instruments in the field of magnetic measurement.
3. It features advantages such as high accuracy, good stability, and high-speed measurement.
4. It is equipped with a maximum value function, which can accurately record the maximum value encountered during the measurement process.
5. Equipped with multiple communication interfaces such as RS-232, RS-485, and USB, it can be conveniently connected to other control devices.

Technical Parameters

power supply	AC :100V~230V、 50/60Hz ;FUSE :1A		
power	<5W		
measuring range	0~10T		
range gear	0.1T	1T	10T



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resolution	0.01mT	0.1mT	1mT
accuracy	±(reading 0.5% + full scale 0.05%)(calibration for 0 - 2T range)		
display digits	4-digit (5-digit customizable)		
display content	current value、 N peak value、 S peak value、 upper and lower limit display、 polarity		
display unit	Gauss (Gs)、 Kilogauss (KGs)、 Tesla (T)、 Millitesla (mT)		
communication interface	USB/RS-232/RS-485 are optional. RS-232 is standard.		
test function	normal test/peak measurement/pulse peak test		
size	304mm (length) × 229mm (width) × 136mm (height)		
weight	Approximately 5 kg		

使用环境

Operating Environment

1	Environment temperature: 0°C ~ 40°C
2	Environment humidity: 0%~90% (non-condensing)
3	Dust-free, free of lampblack, salt-free, and no dripping water
4	Avoid direct sunlight
5	No flammable or corrosive liquids or gases;
6	No impact or high-frequency vibration;