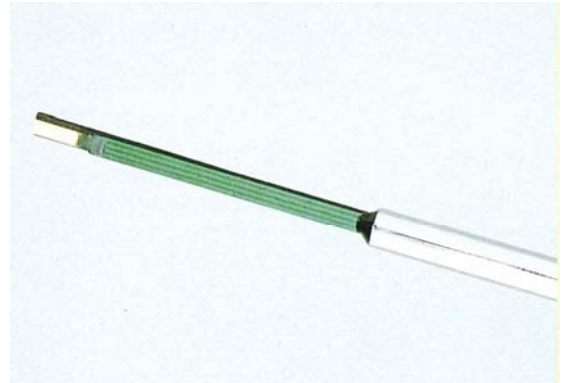


# Gauss Meter (Tesla Meter) HGM-7100 type



A super minute hall probe of 10 $\mu$ m \* 10 $\mu$ m is HGM-7100 type dedication. Therefore cannot use it in gauss meter of the other series. Please be careful.

- Area of tip detecting magnetic flux adopts super minute hall probe of 10 $\mu$ m  $\times$  10 $\mu$ m. Magnetic field measurement in super high resolution is possible to be able to approach measuring plane to 7,000 Å.
- Adopted the personal circuit which was developed to reduce light noise and electromagnetic induction noise to have a bad influence on measurement. In proximity to face of measuring object, can measure magnetic field in a low noise precisely.
- Adopt digital mode peak hold circuitry, and correct measurement of peak value of pulse magnetic field is possibility.

T y p e	HGM-7100
p o w e r s o u r c e	AC100V $\pm$ 10% 50/60Hz
E x c i t i n g m o d e	Synchronous type Constant current switching system
A c c u r a c y	Within $\pm$ 0.5% (Full scale)
R e s o l u t i o n	3 1/2 digit $\pm$ 1 digit
Temperature characteristic	-0.05% / deg C (TYP) -20 ~ +60 deg C (probe)
Operating temperature l i m i t s	0 ~ +50°C (main unit)
Measurement range	20mT, 200mT, 2T, 20T
Measuring frequency	DC ~ 500Hz (average value)
O u t p u t V o l t a g e	Full scale $\pm$ 2V
P o l a r i t y d i s p l a y	Light emitting diode (LED) N pole : Red / S pole : Green
D i m e n s i o n / W e i g h t	239mm $\times$ 295mm $\times$ 100mm / 5kg (main unit)



Manufacturer  
**ADS Co., Ltd**  
Tokyo, JAPAN



General Sales Agency  
**Magnet Force Co., Ltd.**  
20-12, Enoki-cho, Suita City, Osaka  
564-0053 JAPAN  
TEL 81-6-6378-8484 FAX 81-6-6378-8488  
info@magnetforce.co.jp  
<http://www.magnetforce.co.jp>

# Gauss Meter (Tesla Meter)

## HGM-7500 / 7300 type



- Wide band and fast response speed are features than general-purpose gauss meter.
- HGM-7500 type lowers error by induced voltage and in-phase noise by use with high sampling rate of 1,000KS/S. In addition, reply to a frequency to DC ~ 60KHz with sampling rate of 500KS/S.
- HGM-7300 type lowers error by induced voltage and in-phase noise by use with high sampling rate of 500KS/S. In addition, reply to frequency to DC ~ 30KHz with sampling rate of 250KS/S.
- Adopt digital mode peak hold circuitry, and correct measurement of peak value of pulse magnetic field is possibility.

T y p e	HGM-7500	HGM-7300
Power source	AC100V±10% 50 / 60Hz	
Exciting mode	500KHz Constant-current system	200KHz Constant-current system
A c c u r a c y	Within ±2% (Full scale)	
Temperature characteristic	-0.06%/ deg C (TYP) -20 ~ +60 deg C (probe)	-0.05%/ deg C (TYP) -20 ~ +60 deg C (probe)
O p e r a t i n g t e m p e r a t u r e l i m i t s	0 ~ +50 deg C (main unit) -20 ~ +60 deg C (probe)	
M e a s u r e m e n t r a n g e	20mT, 200mT, 2T, 20T	
M e a s u r i n g f r e q u e n c y	DC ~ 60KHz	DC ~ 30KHz
R e s p o n s e r e s o l u t i o n	2μS	4μS
R e s p o n s e s p e e d	6μS / less than or equal full scale	12μS / less than or equal full scale
O u t p u t V o l t a g e	full scale ±5V	
P o l a r i t y d i s p l a y	Light emitting diode (LED) N pole : Red / S pole : Green	
P e a k h o l d f u n c t i o n	response speed 10μS / full scale	response speed 20μS / full scale
D i m e n s i o n / W e i g h t	237mm × 295mm × 93mm / 5kg (main unit)	



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