

GM-1 Gaussmeter

Magnetic Field Gauge



CLASS INSTRUMENTATION LTD

837 Garratt Lane
London
SW17 0PG
United Kingdom

T +44 (0)20 8333 2288

F +44 (0)20 8944 0141

info@classltd.com

www.classltd.com

ISO 9001:2008 Certificate Number GB13487

IIMS Corporate Membership Number C508

NCAGE Number U0B22



GM-1 Gaussmeter Magnetic Field Gauge

The Class Instrumentation Ltd's GM1 Gaussmeter is an easy to use method of measuring DC magnetic flux and direction using a solid-state Hall effect sensor.

The light weight, hand-held gauge provides accurate results within a wide range and perfect for a multitude of applications.

The complete **GM-1** kit includes:

- Gauge Meter
- Transverse probe
- Zero Gauss Chamber
- Spare PP3 battery
- Full Operation Manual



GM-1 Specification:

- Auto Ranging: ± 200.0 G then ± 2.000 KG then ± 20.000 KG
- Resolution: 0.1 G on the 200 G range
- Range: 0–20,000 gauss
- Refresh Rate: 5 times per second
- Frequency Response: DC only
- DC Accuracy: 2% reading \pm 0.1% full scale at 25°C
- Temperature range: -10°C to $+50^{\circ}\text{C}$
- Instrument and probe temperature coefficient: 0.1% of reading per $^{\circ}\text{C}$
- Display: 12.5mm high $3\frac{1}{2}$ LCD Display with Low battery and magnetic polarity indicator
 - (– depicts South)
- Battery life: 40 hours nominal with a PP3 alkaline battery
- Dimensions: 145mm high x 80mm wide x 40mm deep (max.)
- Carry Case: 220 x 200 x 80mm
- Operational weight: 232g
- Shipping weight: 960g

GM-1 Applications

The Class Instrumentation Ltd Gaussmeter can be used to measure

- residual magnetic fields on bearings and machinery, now subject to regulation
- residual magnetic fields on welds
- residual magnetic fields on parcels and packages
- residual magnetic fields on ships' cargo
- Computer disk drive actuators
- Loudspeaker air gaps
- Electric motor air gaps
- Transformer stray field measurements
- Bending magnets
- Non destructive testing (magnetic)
- Goods inward and quality assurance inspection
- Magnet calibration

