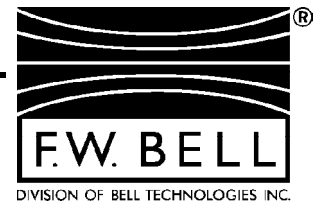


HAND-HELD GAUSSMETERS



5000 Series Hand-Held Gaussmeter

Description

The 5000 Series Hall effect portable gaussmeters represent the latest design from the world leader in magnetic measuring equipment. F.W. Bell's exclusive Dynamic Probe Correction allows measurements from 0 to 30 kG with a basic accuracy of 1%.

Key features include Auto Zero, Peak Hold, Max./Min. Hold, Auto Range and Relative Mode. All models allow the user to select Gauss or Tesla readings. The Model 5080 also has a selection for readings in Ampere/Meters and features a corrected analog output (± 3 V F.S.) and an RS-232 communications port.

The 5000 Series Hand-Held Gaussmeters' built-in software eliminates the need for complex calibration procedures. User prompts on the custom formatted LCD allow fast, simple push button operation. All models come equipped with a detachable transverse probe, zero gauss chamber, instruction manual, hard carrying case and two 9 volt batteries. Axial and other style probes are available as options.

Applications for the 5000 Series range from the most sensitive laboratory environment to the most rugged industrial setting. All instruments are CE compliant.

Features

	Model 5060	Model 5070	Model 5080
Probe Included	Y	Y	Y
Auto Zero	Y	Y	Y
Min/Max Hold		Y	Y
True RMS		Y	Y
Auto Range		Y	Y
True Peak Hold		Y	Y
Relative Mode			Y
Outputs (analog)			Y
Communication Port(s)			Y

Probes and Accessories

Model Number	Description	Item Number	Price
Model 5080 Probes			
STD58-0404	4" Transverse Probe (Std. w meter)	125804	\$175.00
STD58-0402	2" Transverse Probe	125803	\$175.00
SAD58-1904	4" Axial Probe	125802	\$175.00
SAD58-1902	2" Axial Probe	125801	\$175.00
Model 5070 Probes			
STH57-0404	4" Transverse Probe (Std. w meter)	125704	\$155.00
STH57-0402	2" Transverse Probe	125703	\$155.00
SAH57-1904	4" Axial Probe	125702	\$155.00
SAH57-1902	2" Axial Probe	125701	\$155.00
Model 5060 Probes			
HTV56-0602	2" H.D. Transverse Probe (Std. w meter)	125605	\$125.00
STV56-0404	4" Transverse Probe	125604	\$125.00
STV56-0402	2" Transverse Probe	125603	\$125.00
SAV56-1904	4" Axial Probe	125602	\$125.00
SAV56-1902	2" Axial Probe	125601	\$125.00
Meter Accessories			
X-5000-0006	6 ft. Extension Cable	125000	\$65.00
YA-111	Zero Gauss Chamber	122902	\$75.00
PSU-15	AC Adapter, 110V	145012	\$25.00
PSR-15	AC Adapter, Switching	115001	\$85.00

General Information

Model	All
Temperature	
Operating	0°C to + 50°C
Storage	-20°C to +60°C
Power	two 9V batteries
Size	
Length x Width x Height	5.2" x 5.3" x 1.5"



Model	5060	5070	5080
Basic Accuracy	4%	2%	1%
Frequency bandwidth	dc	dc - 10 kHz	dc - 20 kHz
Sampling Rate (dc mode)	10/sec	10/sec	10/sec
Ranges	(2)	(3)	(3)
Low Range	2kG	200 G	300 G
Mid Range	-	2 kG	3 kG
High Range	20 kG	20kG	30 kG
Resolution			
Low Range	1.0 G (100 uT)	0.1 G (10 uT)	0.1 G (10 uT)
Mid Range	-	1.0 G (100 uT)	1.0 G (100 uT)
High Range	10 G (1 mT)	10 G (1 mT)	10 G (1 mT)
Display	LCD	LCD	LCD
Digits	3-1/2	3-1/2	3-3/4
Readings	Gauss Tesla	Gauss Tesla Ampere /Meters	Gauss Tesla Ampere / Meter
Analog Output	-	-	± 3 V F.S.
Communication	-	-	RS-232
Price	\$495.00	\$695.00	\$995.00



DIVISION OF BELL TECHNOLOGIES INC.

HAND-HELD GAUSSMETERS

4000 Series

Description

Lightweight and completely self-contained, the easy to use 4000 Series ELF Meters are ideal for commercial or home use. The 4000 Series accurately measures Extremely Low Frequency magnetic fields generated by electrical equipment. Applications include detecting magnetic field emissions from a wide variety of sources, including video display terminals (VDTs), AC power lines, office equipment, household appliances, and all types of electrical and electronic equipment. The models 4080 and 4090 feature three axis sensors which insure that measurements remain accurate regardless of the orientation of the instrument.



Model 4070

Single Axis Model
Typical Accuracy <1%
0.1 mG Resolution
Price: \$129.00

Features

- 0.1 mG Resolution
- High Accuracy
- mT Scale (Option)
- Affordable price

Applications

- AC Power Lines
- Office Equipment
- Plant Surveys
- Power Line Surveys

Model 4090

Three Axis Model
Highest Accuracy <1%
Auto Ranging
True RMS Reading
Price: \$395.00

- Three Axis Technology-maintains accuracy regardless of orientation
- Complete with Deluxe Carrying Case and Battery
- Hand-Held Portability
- True RMS Measurement

Model 4080

Three Axis Model
Typical Accuracy <2%
Auto Ranging
True RMS Reading
Price: \$199.50

Notes: Due to continuous process improvement, specifications subject to change without notice.

Model mA-2000 Clamp On Non-Contact Milliammeter

Typical Applications

- Troubleshooting 4-20 mA control loops
- Data stream verification
- Isolating faults on electronic circuits
- Verification of power supply currents
- Automotive computer control diagnostics
- Measuring ground currents
- Low current measurements in R&D laboratories

Measuring Circuit

Range

- Low 0-200 mA dc or RMS ac
- High 0-2000mA dc or ac peak

Resolution

- Low Range 0.1 mA
- High Range 1mA

Frequency range

- ac Low dc to 100kHz
- ac High dc to 200 Hz
- 3 dB 200kHz 200 Hz to 100 kHz

Accuracy (±3counts)

- dc 1% of reading
- ac: up to 200 Hz 2% of reading
- 200Hz to 400Hz 4% of reading
- 400 Hz to 40 kHz 2% of reading
- 40 kHz to 100 kHz 3% of reading

Repeatability (±3counts)

0.5% of reading

Readout 3-1/2 digit LCD



Description

The Model mA-2000 provides non-contact measurement of very low dc and ac currents. It features an easy-to-read 3-1/2 digit display and analog output connection to an oscilloscope or recorder.

Features

- Measures low level DC & AC currents from 0 to 2000 mA with resolution as low as 0.1mA
- Basic DC accuracy of 1% of reading
- True RMS measurement
- Frequency range DC to 100 kHz
- Built in 3-1/2 digit display
- BNC analog output for connection to oscilloscope or recorder
- Simple clamp-on operation
- Built to IEC 1010 safety standards (*)
- Supplied with hard carrying case
- (*) Approval Pending

Output

- Analog 1mV/mA
- Connector BNC

Noise < 100 V RMS

Influences on Accuracy

- Temperature coefficient 0.1% Per Degree C Max.
- Adjacent conductor <100 A/A

General Information

- Operating temperature 0°C to 50°C
- Storage temperature -25°C to +70°C
- Battery Two 9 V Alkaline (NEDA 1640 A)
- Battery Life (Typical) 15 Hours
- Safety IEC 1010 Cat 2 300 V, pollution degree 2 (*)
- Aperture opening 0.21 inches (5.3mm)
- Size: Probe Meter
- 6.25 inches (15.9cm) length 5.2 inches (13.2cm) length
- 1.2 inches (3.0cm) diameter 5.3 inches (13.5cm) width
- 1.5 inches (3.8cm) height

Patent Pending

(*) Approval Pending

Price: \$448.00

MILLIAMMETER