

AC GAUSSMETERS - 3 AXIS

4180 ELF GAUSSMETER

Newest Gaussmeter from FW Bell

Lightweight and completely self contained, this easy to use gaussmeter from FW Bell is ideal for commercial or home use.

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, AC power lines, office equipment, household appliances, and all types of electronic equipment.



Look at these key features: 3½ digit LCD display, Auto Zero, Min./Max./Peak Hold, Auto Range and Relative Mode. Selectable X, Y, or Z Axis plus Vector Summation, true RMS reading. User selectable Gauss or Tesla readout. Built-in software eliminates the need for complex calibration procedures. User prompts on the LCD allow fast, simple pushbutton operation. Low battery detection. Complete with instruction manual, soft carrying case, and four AAA batteries. USB interface allows power through the USB (cable not included), can also be powered by external 5VDC adapter (not included).

Basic Accuracy (>4 mG, 40-80Hz)	± (2% + 1 digit) typical
Frequency Response ±5%	30 to 2kHz
Update Rate (display)	2 readings/sec
Measuring Range	0.1 to 599 mG; 0.01 to 59.9 µT
Minimum Resolution	0.1 mG / .01 µT

(Cat. #D171N) \$324.50

4190 ELF GAUSSMETER

Enhanced Features

This meter is like a 4180 on steroids. All the same features, *plus* improved accuracy, wider range, and internal Software Data Logging

Corrected analog output (5K samples per second) for viewing analog waveform on an oscilloscope, spectrum analyzer, or similar test equipment which is useful for determining harmonic content and other waveform properties. Output scaling is 2V FS (200 mG or 2000 mG). Plus DC voltage level proportional to the displayed level of the magnetic field which is useful for driving chart recorders, data loggers, or other data acquisition equipment. 10 mV/mG; 2V FS (200 mG or 2000 mG). USB interface for real time data collection (4 to 3600 seconds intervals, in 1 second increments) and analysis to your PC (Excel). Software CD included.

Frequency Response/Accuracy	25-1200Hz, ±5%; 20-2000Hz, ±15%
Measuring Ranges	0.1 to 1999 mG; 0.01 to 199.9 µT

(Cat. #D172N) \$595.35

BUDGET BUZZ STICK

Listen to Magnetic Fields

Common ELF magnetic field frequencies are within the range of human hearing. This simple set up converts the AC magnetic signal directly into a dramatic corresponding sound signal. A 60 Hz powerline field sounds like a 60 Hz hum (a low note on piano keyboard).

Harmonics can easily be heard, as well as clicks, static, and hash. LED displays are especially noisy. The strength of the field is proportional to loudness.



Unit includes a single axis probe on 2 foot cable and audio amplifier with adjustable volume. You can even use an optional ear-phone/headset for discreet operation. Use it to "sniff out" sources of interference, offending EMF, check shielding designs. Makes a great educational tool. Requires one 9V battery.

(Cat. #D175-B) \$16.94

With headset: (Cat. #D175-C) \$19.95

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