

PROBES

MAGNETIC PICK-UP

Build Your Own AC Gaussmeter



Want parts to build your own gauss meter? Here is a nice AC magnetic field probe. It generates an AC volt-age when exposed to AC magnetic fields. Although we do not know how the output from this unit varies with frequency, we do know that the greater the magnetic field, the higher the voltage generated (at 60 Hz, it produces about 1 mV per 20 mG). It can be connected to a DMM, analog voltmeter, oscilloscope, audio amplifier, or recording device. Connect 3 of them in series and create a 3-axis unit. It is quite small: only 0.7" long x 0.7" diameter, with a removable rubber suction cup attached. Has 36" lead and 1/8" (3.5mm) mono plug. (Cat. #D175) \$4.95

PICK-UP EXTENSION CORDS

Want to place your Magnetic Pick-ups in remote locations? Economical cord is a full **25 feet long**. 3.5mm mono male to 3.5mm mono female. Daisy chain several together to achieve longer runs. Use Audio Amplifier (#D175-A) to boost weak signals over long lengths. (Cat. #D175-ext) \$9.95



MAGCHECK 95 SENSOR

High Quality AC Magnetic Field Probe



Single axis magnetic field sensor, can be used with any good digital multimeter (for low scale

accuracy, your DMM must have a 200 mV AC setting or 0.1 mV resolution) which accepts a dual banana jack. Produces 1 mV AC per mG up to 50 Gauss. Highly accurate over the range of 25 - 3000 Hz. Two foot shielded cable with dual banana jack included. Our most accurate probe. Calibrated to 5% accuracy, NIST traceable. DMM sold separately (see page 30).

Type: AC Magnetic, single axis probe
Range: 0.1 - 7000 mG
Accuracy: 5% at 60 Hz, NIST traceable
(Cat. #D1181) \$135.00

Toll free in USA: 1-888-537-7363
International: +1-518-432-1550

DC GAUSSMETERS

HALL-EFFECT GAUSSMETER

Intermediate Range



Versatile enough to classify magnets, measure residual magnetism, and check fields from DC circuits. Also has sensitivity to low frequency AC magnetic fields.

High linearity and **high accuracy** (3%)
Residual sensitivity up to 60 Hz.

4 ranges: 2, 20, 200, 2000 Gauss.

3 1/2 digit display, yields 1 mG resolution (on lowest scale). Rugged detachable probe on 38 inch cable. 200 mV AC recorder output permits data logging & recording and spectral analysis.

Includes a 9V battery AC adapter, reference magnet, and padded hard case. Made in USA. Two year mfr warranty. Choose transverse or axial probe, or save when you get both.

Hall-Effect Gaussmeter:

Trans (Cat. #D1101-T) \$525
Axial (Cat. #D1101-A) \$525
Trans + Axial (Cat. #D1101-AT) \$650

DC MILLIGAUSS METER

Measure Very Small DC Magnetic Fields

Want to measure fields up to 2000 mG with 0.01 mG resolution without breaking the bank?



4 1/2 digit display updates 3 times per sec. 2 ranges: ± 1999.9 & ± 199.99 mG. Because the Earth's ambient field is typically about 500 mG, 3 "offset" controls allow you to add or subtract up to 600 mG with precision of .01 mG. Therefore, the Earth's field can be subtracted out when required, allowing for stable detection of small changes in a large background field. The "axial" sensor is at the end of a 4 foot, eight-wire cable. At only 1 mm x 0.2 mm, the active sensor area is much smaller than most other sensors, allowing very precise magnetic measurements in small areas (such as thin films) or with high gradients, when necessary. Includes ACV output jack (3Hz bandwidth). NIST-traceable certificate of calibration. 1 yr mfr wty. Made in USA. (Cat. #D149) \$590.00

Fax: 1-309-422-4355
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