



Fermilab
ES&H Section

CALIBRATION OF APPLIED MAGNETICS GAUSSMETER

11/93

OBJECTIVE

To provide instruction in the calibration of the Applied Magnetics Gaussmeter.

DISCUSSION

The manufacturer of the Gaussmeter does not provide annual calibration for its instruments. The calibration of the instrument is done with the help of Ed Schmidt of the Magnet Test Facility Group (Industrial Building 1).

EQUIPMENT

- Gaussmeter
- NMR Magnetometer
- Hewlett Packard Frequency Counter

PROCEDURE

1. Call Ed Schmidt to schedule a time to calibrate the meter.
2. Calibrate the unit at 1KGauss, 900 Gauss, and 800 Gauss.
3. Construct a graph from the data.
4. Submit results to H&S Group Leader for approval.
5. File paperwork in IH Equipment Folders.