

1. To ensure the accuracy and long term reliability of the reference magnet, the following precautions need to be taken:
 - a. Keep all reference magnets away from other magnets or magnetic fields.
 - b. Do not drop or cause shock to any reference magnet.
 - c. Do not allow particles of magnetic material such as metal shavings to become lodged in the measurement gap.
 - d. Do not expose any reference magnet to temperature below 0 °C (32 °F) or above 40 °C (104 °F).
2. Hall elements are sensitive to both magnetic field intensity and direction.
3. When using transverse magnet, it is important that the active area of the Hall probe be positioned in the center of the measurement gap and then oriented for the maximum indication on the gaussmeter.
4. When using axial reference magnets, the correct value will be measured only when the probe is located in the center and inserted to the proper depth highest reading; then rotated for the maximum reading.
5. Recalibration of the reference magnet should be performed at least once a year. It is important to take into consideration the temperature coefficient of the reference magnet and the Hall probe being used. Consult your certificates of calibration for the ambient temperature during calibration.