



### Installation Notes:

1. Orient with the end opposite the d-sub connector toward the front of the aircraft.
2. Locate away from as far away as practical from ferrous metal, moving ferrous metal (such as belcranks, landing gear, etc). Ideal locations are in the wing, near the tip, or in the fuselage away at least 18 inches from the baggage compartment, and not near the engine or other large ferrous metal objects.
3. If mounting within 5' of transmitting antennas, or in any location in a composite aircraft, be sure to test the location by observing the raw magnetometer reading on the EFIS while transmitting.
4. Do not locate within 18 inches of a strobe power supply, or electric motors.
5. Route wires carrying heavy currents (such as landing lights) so they do not pass closer than 8 inches to the magnetometer.
6. A location can be tested using a mechanical compass. Position the compass in the location to be tested, and verify the reading is not affected by nearby wires when the devices powered by these wires are turned on, or when nearby mechanisms are moved.
7. The magnetometer must be mounted in the same orientation as the AHRS/Air Data Computer. Typically, the AHRS/Air Data Computer is mounted level in roll, and in pitch such that it matches the fuselage reference line, or other longitudinal reference, and thus the mounting location for the magnetometer must be similarly referenced. The alignment between the magnetometer and the AHRS/Air Data Computer should agree within 0.5 degrees or less in all directions.
8. The magnetometer is not affected by temperature or moisture.
9. Mount with brass or nylon hardware only.

# Magnetometer Installation

Grand Rapids Technologies, Inc.