

Model MAG-1

AEC's MAG-1 sensor magnet design is flexible for a variety of sensor mountings on ferromagnetic structures. An off-the-shelf magnet design with switch on/off magnetic force has been adapted to provide for attaching any size AE sensor (up to 2 inches or 5 cm high). Attachment to pipe diameters down to 2 inches (5 cm) is possible because of the unique groove design on the magnet face. The magnet switch makes for easy on/off attachment, and the high holding force (>30 lbs) guarantees secure attachment in any position. The adjustable bracket with a sliding slot allows adjustment for mounting position to the front and side of the magnet, providing for flexibility in tight spaces.



MAG-1 sensor magnet shown holding a Model i400 sensor to a flat surface. The wingnut is used to retract the plunger to allow different sensor heights to be accommodated.

The unique magnet design allows attachment to tight curvature objects, such as piping down to 2 inches diameter.

Specifications

Magnet size: 3" L x 2" W x 2.2" H
(63 x 50 x 55 mm)
Minimum installation space: 4" (100 mm)
Maximum installation space: 5" (130 mm)
Holding force: >30 lbs
Weight with bracket: 2.5 lbs (1.13 kg)
Usage temperature: 0-150 F (-18 to 65 C)
Sensor spring force: 5-10 lbs

