

## MP-10 Magnetic Pick-up

### Operation Manual

Model MP-10 pick-up provides a sine wave output whenever there is an abrupt change from non-magnetic to magnetic material moving past the sensor pole. The output voltage is directly proportional to the change in magnetic flux intensity over the change in time.

#### MOUNTING

Unit will mount in a 5/8" threaded hole and is provided with 2 jam nuts to secure the sensor.

#### ADJUSTMENTS

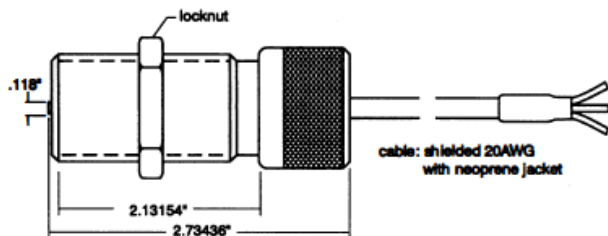
Pick-up should be adjusted for a typical clearance of 0.01" (0.25") between sensor and gear. This adjustment will provide excellent sensitivity and resolution.

#### CONNECTIONS

Lead	Terminal
Bare	Sensor Cable Shield
White	Signal Output
Black	Common 0 V

\* Polarity: White lead positive with respect to black with the approach of ferrous metal

#### DIMENSIONS



#### SPECIFICATONS

**Temperature Range:** -40 to 221°F (-40 to 105°C)

**Resistance:** 1150 +/-20% Ohms

**Inductance:** 425 mH Max.

#### SPEED VS. VOLTAGE

