

Magnetic Pickup Model MP-10

Instruction Manual

Description

Model MP-10 pickup 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.

Adjustment

Pickup should be adjusted for a typical clearance of .01" between sensor and gear. This adjustment will provide excellent sensitivity and resolution.

Temperature Range

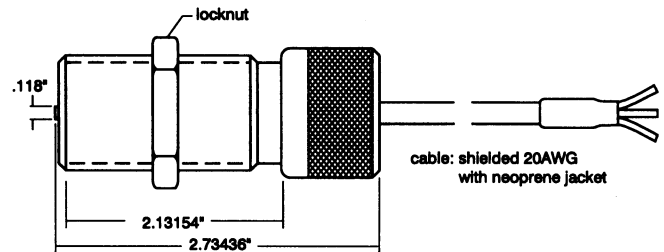
-40° F to 221° F

Connections

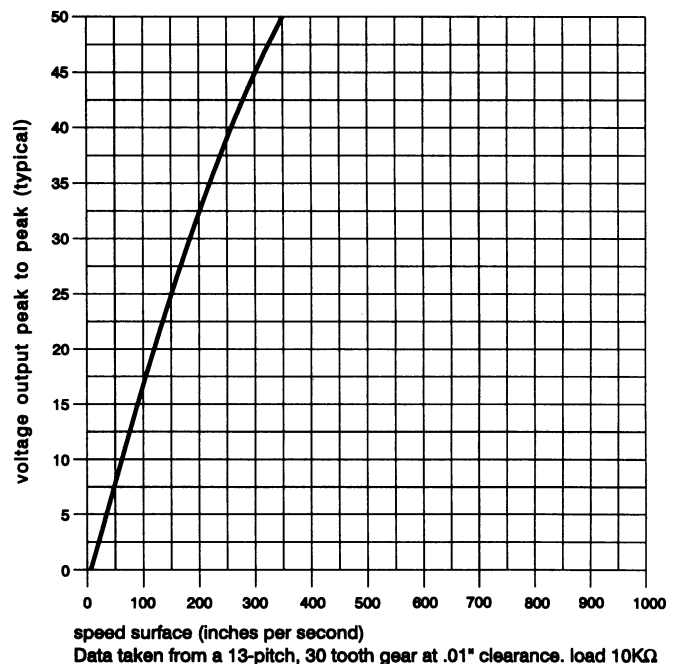
LEAD WIRE	SHIELD	WHITE	BLACK
TACHOMETER TERMINAL	E	SIG	OV

Bare: Sensor cable shield
White: Signal output lead
Black: sensor common

Dimensions



Speed vs. Voltage



Data taken from a 13-pitch, 30 tooth gear at .01" clearance. load 10KΩ