

SHIFT KNOB

The shift knob sensor (50006) mounts either directly (replacing the gear shift knob) or indirectly with a shaft gripping adapter and allows real time measurement of the “X” and “Y” force components as experienced by the driver.

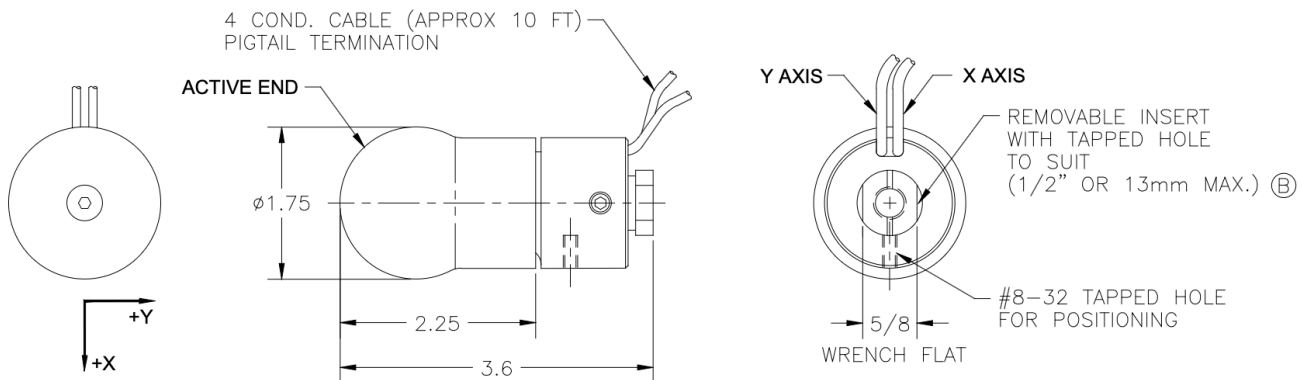
Dynamic recording of the signals produced by the sensor allows the design engineer to immediately verify changes in linkage mechanisms which can improve the subjective feel of the automobile to the driver.



FEATURES

- Measures X and Y force components on gear shifter
- Capacities from 50 - 250 lbs
- Temperature compensated
- Direct or indirect mounting

DIAGRAM



SPECIFICATIONS

MODEL: 50006-XXX-BOXXX		
CAPACITY (LBS.)	F.S.	CHARTED
OUTPUT (mV/V)	NOM., F.S. (BOTH AXES)	2.0
NON-LINEARITY (%F.S.)		<0.5
HYSTERESIS (%F.S.)		<.25

ASSEMBLY DWG REF: 12772C0-*
*-INDICATES CURRENT REV

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SPECIFICATION

PARAMETER	RANGE
Capacities (lbs)	50, 100, 200, 250
Overload capacity (%)	150 of FS
Output at full scale load (mV/V)	2.0 nominal
Non-linearity (%)	0.50 of FS
Hysteresis (%)	0.25 of FS
Zero balance (%)	1.00 of FS
Compensated temperature (°F)	70 to 170
Useable temperature (°F)	-65 to +250°F
Temperature effect on zero (%)	0.002 of FS/°F
Temperature effect on span (%)	0.002 of Rdg./°F
Bridge resistance (Ohms)	350
Excitation voltage, maximum (Vdc)	20
Adaptor	Ordered separately

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