

MOTOR MOUNT REACTION TORQUE SENSOR

This unique style torque sensor is designed to measure the reaction forces exerted on the motor housing.

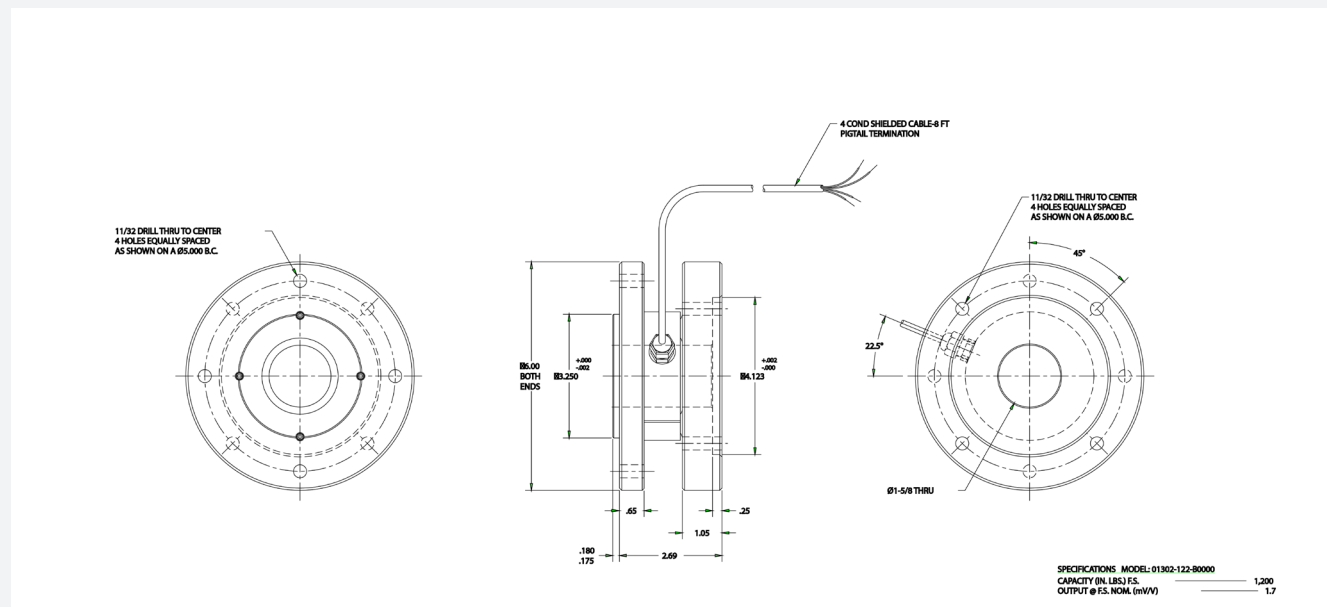
HITEC's model 01302 is directly mounted to the motor's flange face as the main interface between it and the torque load. It can be used with variable displacement motors, fluid meters, linear actuators, and other drive motors to measure the output torque, in real-time and at the source. The use of this sensor greatly reduces the potential of electrical noise due to bearings or slip-ring brushes, and allows for more extreme environmental exposures, such as at sea or at remote field sites.



FEATURES

- Designed to measure motor housing reaction forces
- Capacity 1,200 in-lbs
- Temperature compensated
- Direct mounting to motor flange face

DIAGRAM



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MOTOR MOUNT REACTION TORQUE SENSOR

SPECIFICATION

PARAMETER	RANGE
Capacity (in.lb)	1200
Overload capacity (%)	150 of FS
Output at FS (mV/V)	1.7 nominal
Non-linearity (%)	0.20 of FS
Hysteresis (%)	0.20 of FS
Zero balance (%)	1.00 of FS
Compensated temperature (°F)	70 to 170
Useable temperature (°F)	-65 to +250
Excitation voltage, maximum (Vdc)	20

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