

# ROTARY SOCKET SLIP RING TORQUE SENSOR

An angle encoder and round or square housings are available with the Rotary Socket Slip Ring Torque Sensor (01325 model). Square housings have optional foot mounts.

These strain gauge based sensors are designed to measure torque in low capacity applications such as checking calibration in mechanical torque wrenches and air powered nut runners. The design incorporates a coin silver slip ring assembly that transmits excitation voltage to, and output signals from, the rotating drive sensor.



## FEATURES

- For low capacity torque measurements, such as mechanical wrenches or air-powered nut runners
- Capacities from 50 - 2,400 in-lbs
- Temperature compensated
- Alloy steel shaft, Aluminum housing
- Auto-ID available

## SPECIFICATION

PARAMETER	RANGE
Capacity (in-lbs)	50-2,400
Overload capacity (%)	150 of FS
Output at FS	See chart
Non-linearity (%)	0.10 of FS
Hysteresis (%)	0.10 of FS
Zero balance (%)	1.00 of FS
Compensated temperature (°F)	70 to 170
Useable temperature (°F)	-40 to +185
Temperature effect on zero (%)	0.002 of FS/°F
Temperature effect on span (%)	0.002 of Rdg/°F
Bridge resistance (Ohms)	1000
Excitation voltage, maximum (Vdc)	20
Maximum speed (RPM)	5000*
Material:	Shaft: Alloy Steel Housing: Aluminum

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