

Rotating Torque Sensors

Cog Wheel [01034]

This unique pulley torque sensor features an integrated cog wheel sensor element. Used where a detachable pulley gear cannot fit do to space limitations. This sensor can be adapted to a wide range of belt drive systems and can be installed in a dynamometer test stand or on vehicle. Various torque capacities and pulley gears can be designed to meet your specific requirements.



SPECIFICATIONS

Capacity	150, 500, or 1000 in-lbs
Overload capacity	150% of F.S.
Output at F.S.	1.5mV/V
Bridge Resistance.....	350 ohms
Non-linearity	0.10% of F.S.
Hysteresis	0.10% of F.S.
Zero balance	1.00% of F.S.
Compensated temperature	30 to 170°F (-1 to 76°C)
Useable temperature	-40 to +185°F (-40 to 85°C)
Temperature effect on zero	0.002% of F.S./°F
Temperature effect on span	0.002% of Rdg./°F
Excitation voltage (max)	20 Vdc
Maximum shaft speed	5000 RPM