

# Rotating Torque Sensors

## Multi-groove [ 01286 ]

This pulley torque sensor features a highly accurate sensing element and slip ring assembly to measure the belt drive torque, while allowing the motor to be used in normal operation (test stand and on-vehicle). While designed uniquely for this customer, the approach will be universal in its application to other belt or chain drive systems.



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### SPECIFICATIONS

Capacity .....	120 in-lbs
Overload capacity .....	150% of F.S.
Output at F.S. ....	2mV/V
Non-linearity .....	0.10% of F.S.
Hysteresis .....	0.10% of F.S.
Zero balance .....	1.00% of F.S.
Compensated temperature .....	70 to 170°F (21 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 .....	20Vdc (max)
Maximum speed .....	5000 RPM