

LOW CAPACITY (OUNCE INCHES) REACTION TORQUE SENSOR

RTS SERIES

CAPACITY RANGES:

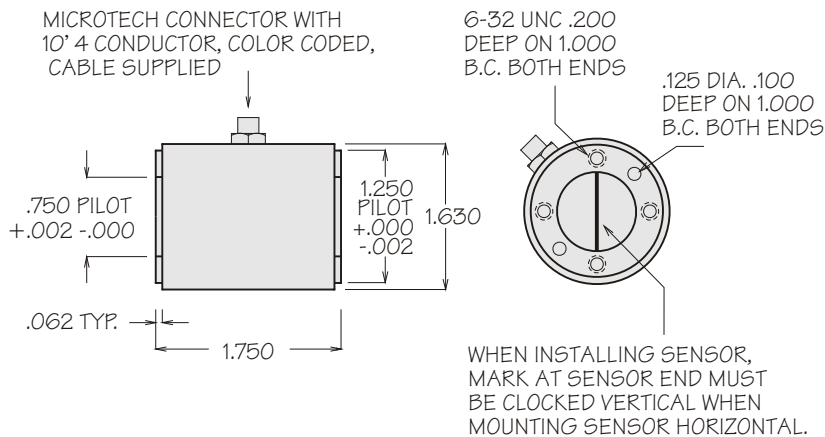
5, 10, 25, 50, 100, 200,
500, 1,000 OUNCE INCHES

The RTS Series torque sensors were designed to fill the need for accurate torque measurements below 62.5 in.lbs. without giving up stiffness or sensitivity to forces from other directions. They are manufactured from sensor quality aluminum and anodized for long-term durability. Bonded foil strain gages and materials of the highest quality are installed assuring high reliability. The four bolt hole pattern with the use of our O.D. or I.D. pilots on either end allows simple adaptation to any application.



SPECIFICATIONS

Rated Output (R.O.):	1.5 mV/V nominal
Nonlinearity:	0.1% of R.O.
Hysteresis:	0.1% of R.O.
Nonrepeatability:	0.05% of R.O.
Zero Balance:	1.0% of R.O.
Compensated Temp. Range:	60° to 160°F
Safe Temp. Range:	-65° to 200°F
Temp. Effect on Output:	0.005% of Load/°F
Temp. Effect on Zero:	0.005% of R.O./°F
Terminal Resistance:	350 ohms nominal
Excitation Voltage:	10 VDC
Safe Overload:	150% of R.O.



MODEL	CAPACITY OZ.IN.	LBS.IN.	TORSIONAL STIFFNESS OZ.IN./RAD.	MAX. OVERHUNG MOMENT WxS OZ.IN.	MAX. SHEAR W OZ.	MAX. THRUST P OZ.
RTS-5	5	.312	725	60	40	280
RTS-10	10	.625	725	60	40	280
RTS-25	25	1.562	1,875	60	60	385
RTS-50	50	3.125	3,650	100	100	560
RTS-100	100	6.250	7,250	150	150	768
RTS-200	200	12.500	14,525	200	200	1,360
RTS-500	500	31.250	36,125	250	250	2,400
RTS-1K	1,000	62.500	72,350	480	480	3,600

