

SOCKET WRENCH TORQUE SENSOR ROTATING TYPE

RSS SERIES TORQUE SENSOR

CAPACITY RANGES:

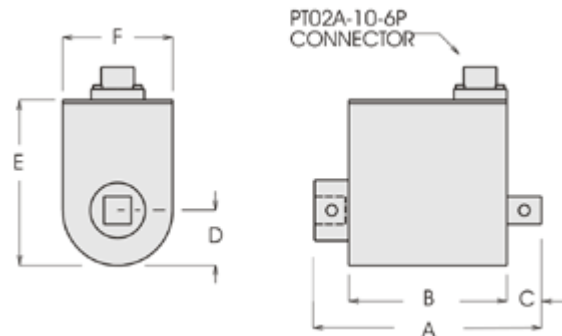
**10, 20, 50, 100, 250,
600, 1,000 FT. LBS.**

Our RSS Series rotating socket wrench torque sensors are available in ranges from 10 ft-lbs. through 1000 ft-lbs. and provide accurate measurements of bolt or nut wrenching torques. These sensors are bi-directional so both tightening and break-away torques can be measured. Unlimited rotation of the ball bearing supported sensor shaft allows monitoring of the total fastening cycle. The sensing element incorporates bonded foil strain gages of the highest quality, along with coined silver slip rings and two silver graphite brushes per ring for data transmission. The silver graphite brush assemblies are field replaceable.



SPECIFICATIONS

- Rated Output (R.O.): 2 mV/V nominal
- Nonlinearity: 0.25% of R.O.
- Hysteresis: 0.25% of R.O.
- Nonrepeatability: 0.1% 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: 0.001% of R.O./°F
- Terminal Resistance: 350 ohms nominal
- Excitation Voltage: 10 VDC
- Safe Overload: 150% of R.O.



DIMENSIONS (INCHES)

MODEL	CAPACITY FT. LBS.	DRIVE SIZE	MAX. SPEED PRM	A	B	C	D	E	F
RSS-10	10	1/4	500	4.125	2.875	.750	1	3.000	2.0
RSS-20	20	1/4	500	4.125	2.875	.750	1	3.000	2.0
RSS-50	50	3/8	500	4.125	2.875	.750	1	3.000	2.0
RSS-100	100	3/8	500	4.125	2.875	.750	1	3.000	2.0
RSS-250	250	1/2	500	4.125	2.875	.750	1	3.000	2.0
RSS-600	600	3/4	500	7.500	4.750	1.562	2	4.125	3.5
RSS-1000	1000	1	500	7.500	4.750	1.562	2	4.500	4.0