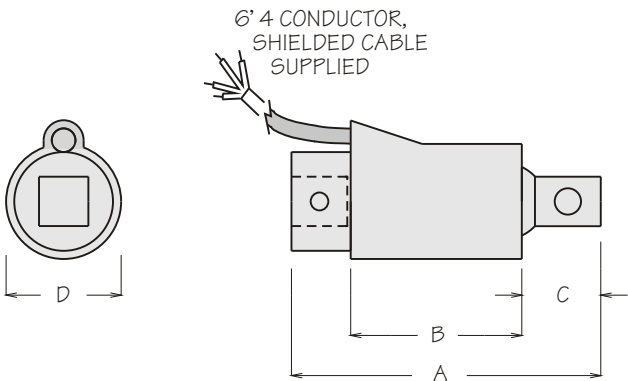
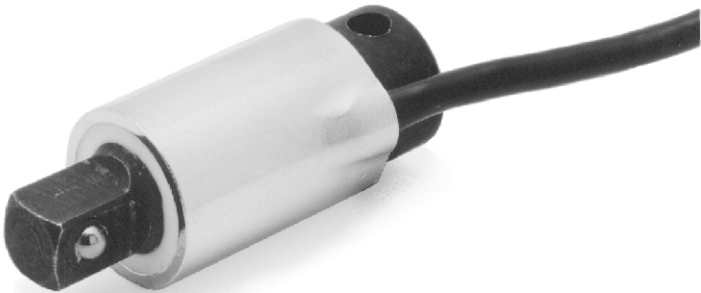


# SOCKET WRENCH TORQUE SENSOR REACTION TYPE

## SWS SERIES

CAPACITY RANGES:  
 10, 20, 50, 100, 250,  
 600, 1,000 FT. LBS.

Our SWS Series reaction type 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. These low cost sensors deliver high accuracy and outstanding frequency response. Calibration of mechanical torque wrenches may be performed with this sensor. The sensing element incorporates bonded foil strain gages of the highest quality.



### SPECIFICATIONS

Rated Output (R.O.):	2 mV/V nominal
Nonlinearity:	0.2% of R.O.
Hysteresis:	0.2% 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:	0.01% 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	A	B	C	D
SWS-10	10	1/4	2.063	1.312	.375	.625
SWS-20	20	1/4	2.063	1.312	.375	.625
SWS-50	50	3/8	2.312	1.312	.500	.875
SWS-100	100	3/8	2.350	1.312	.500	.875
SWS-250	250	1/2	2.625	1.500	.688	1.125
SWS-600	600	3/4	3.938	2.000	1.063	1.625
SWS-1K	1,000	1.0	4.375	1.875	1.125	2.500