

GENERAL PURPOSE REACTION TYPE SHAFT TORQUE SENSOR

STS SERIES

CAPACITY RANGES:

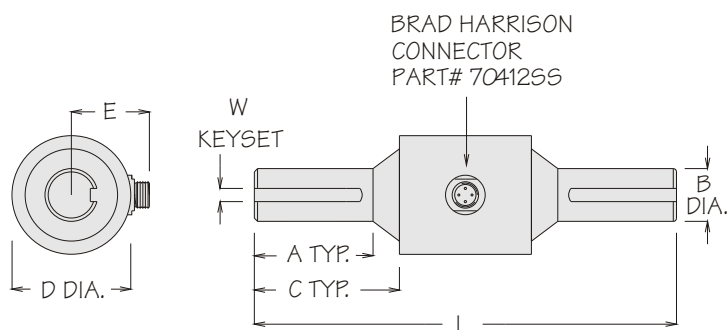
600, 1,200, 2,000, 3,000,
6,000, 12,000 IN. LBS.

The STS Series is our general purpose reaction type shaft torque sensor. They are often installed between devices such as motors, switches, shafts or axles, and their mounting plate to provide bi-directional torque output. They are available in six capacity ranges from 600 inch lbs. through 12,000 inch lbs., and are made from 17-4ph heat treated stainless steel. The sensing element incorporates bonded foil strain gages of the highest quality and are sealed for protection against most industrial environments.



SPECIFICATIONS

Rated Output (R.O.):	2 mV/V nominal
Nonlinearity:	0.2% of R.O.
Hysteresis:	0.10% 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:	0.01% of R.O./°F
Terminal Resistance:	350 ohms nominal
Excitation Voltage:	10 VDC
Safe Overload:	150% of R.O.



MODEL	CAPACITY IN. LBS.	DIMENSIONS (INCHES)						
		A	B	C	D	E	L	W
STS-600	600	2.25	1.00	2.75	2.25	1.55	8.00	1/4
STS-1.2K	1,200	2.25	1.00	2.75	2.25	1.55	8.00	1/4
STS-2K	2,000	2.25	1.00	2.75	2.25	1.55	8.00	1/4
STS-3K	3,000	3.00	1.50	3.75	3.50	1.95	11.0	3/8
STS-6K	6,000	3.00	1.50	3.75	3.50	1.95	11.0	3/8
STS-12K	12,000	3.00	1.50	3.75	3.50	1.95	11.0	3/8