



Nm 01165-01171

Reaction Torque Sensors – Flange to Flange

FLANGE TORQUE SENSOR

Because non-accelerating systems must have equal reactions to actions produced, it is often possible to measure output torque by measuring reaction forces acting on the device's housing. This sensor is ideal for measuring reaction or restraining torque in motor, pump, and fixture mounts. These hollow sensors are well suited for limited rotation applications

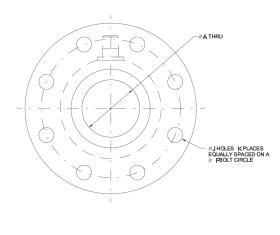
SPECIFICATIONS

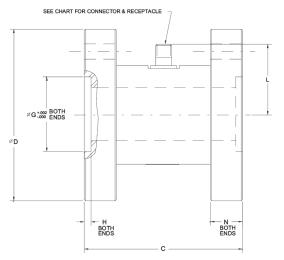
Capacity50 to 200,000 in.lb. (See cha	
Overload capacity150% of F.	S.
Output at F.S 2.0 mV/V nomin	nal
Non-linearity 0.10% of F.	S.
Hysteresis0.10% of F.	S.
Zero balance1.00% of F	.S.
Compensated temperature70 to 170	°F
Useable temperature65 to +250	°F
Temperature effect on zero0.002% of F.S./	°F
Temperature effect on span0.002% of Rdg./	°F
Bridge resistance700/350 Ohr	ns
Excitation voltage, maximum20 V	dc



DIMENSIONS

MODEL	CAP	ACITY	DIMENSIONS (Inches)									QTY	MAT	
MODEL	NM	IN LBS	Α	С	D	F	G	Н	N	J	L	к	MATL	
01165-051	6	50										4		
01165-012	11	100									6 FT			
01166-022	23	200	.62	2.25	3.00	2.50	1.25	.13	.38	.27	OF			
01166-052	57	500									CABLE			
01166-013	113	1000												
01167-051	6	50	1.50											
01167-012	11	100											ALUM	
01167-022	23	200				4.50	3.62		.25	.56		1.98		
01167-052	57	500		3.00			1.75			.34		8		
01167-013	113	1000		1.50 4.00										
01168-023	226	2000			4.00	3.25		.13	.50		6 FT OF			
01168-352	395	3500									CABLE			
01169-053	565	5000		3.50	0.50							1.00		
01169-014	1130	10000			3.50 5.00	4.25	2.00	.25	.75	.39	1.98			
01170-153	1695	15000												
01170-024	2260	20000												
01170-034	3390	30000	2.00	7	7.38	8.00	6.50	3.50			.64	2.78		OTEL
01170-044	4520	40000		D				.31	1.50				STEEL	
01170-054	5650	50000												
01171-015	11300	100000												
01171-184	19775	175000	3.00	8.50	9.75	8.00	4.00			.77	3.36			
01171-025	22600	200000												





The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification. Althen – Your expert partner in Sensors & Controls | althensensors.com

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

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