

The LXT 963 is a rotating torque measurement sensor using a conventional shaft to shaft configuration. It incorporates a slip ring assembly transmitting excitation voltage to and output signals from the rotating sensor.



FEATURES

- Capacity 3in.lb to 20,000in.lb
- Environmental protection IP67
- Aluminum for lower range and steel construction for higher ranges
- Output 2mV/V

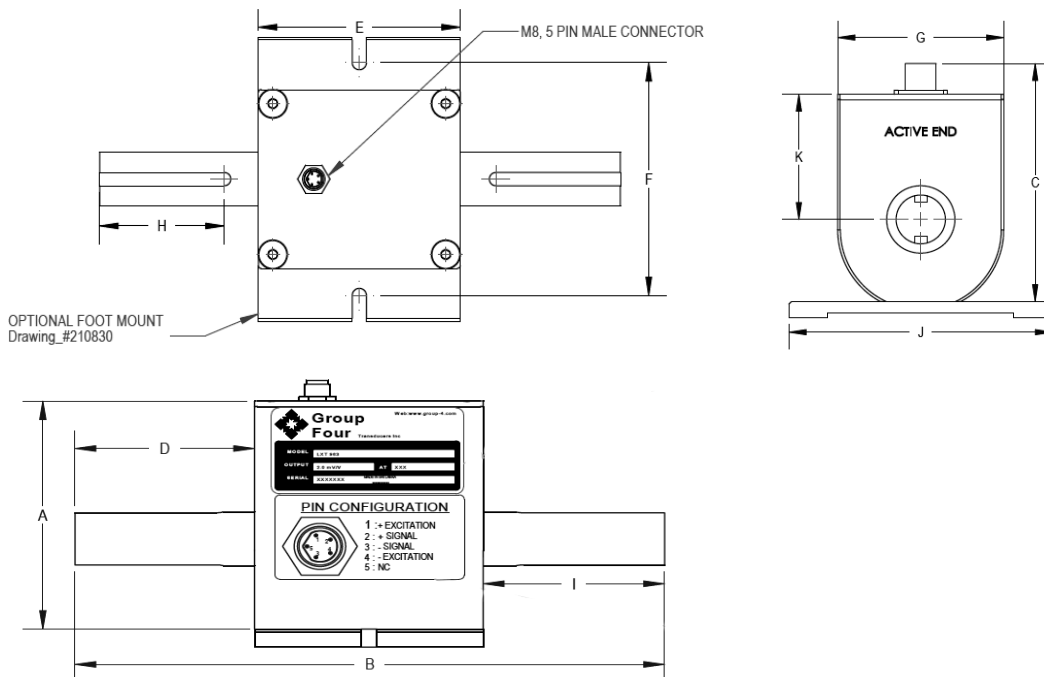
OPTIONS

- Speed
- Angle
- Encoder
- Foot mount
- Faster shaft speeds

APPLICATIONS

- Rotating drive torque measurements
- Dynamic measurements
- Force measurement

OUTLINE DIMENSIONS



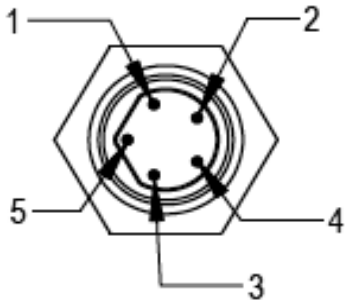
SPECIFICATIONS

Model	LXT 963	
Capacity	inoz	see table 1
Full Scale Output (FS)	mV/V	2.0±0.1
Zero Balance	%FS	≤±5
Non-Linearity	%FS	≤±0.1
Hysteresis	%FS	≤±0.1
Max RPM		5000
Temperature Effect		
Output	%FS/10°C	≤±0.04
Zero	%FS/10°C	≤±0.04
Temperature Range		
Compensated	°F	-10~+40
Operating	°F	-20~+65
Temperature Resistance		
Input	Ω	1180±30
Output	Ω	1000±5
Excitation Voltage	VDC	5~15
Insulation Resistance @50 VDC	M Ω	≥5000
Ultimate Load	%FS	200
Safe Side Load	%FS	150
Seal Type	IP67	
Safe Torque	%FS	150
Element Material	Stainless Steel	

PART NUMBER

MODEL	CAPACITY			SHAFT	KEY	DIMENSIONS										
	IN-OZ	IN-LBS	N-M			A	B	C	D	E	F	G	H	I	J	K
8041-000-00	50	3	0.35	3/8"	1/32"	3.17 [80.5]	4.88 [124.0]	3.66 [93.0]	1.03 [26.2]	2.85 [73.0]	3.28 [83.3]	2.85 [72.4]	0.75 [19.1]	1.00 [25.4]	4.00 [101.6]	1.91 [48.5]
8041-001-00	100	6	0.71													
8041-002-00	200	12	1.41													
8041-003-00	500	30	3.53													
8041-004-00	1000	62	7.06	0.749"	3/16"	7.35 [186.7]	2.26 [57.4]	2.85 [73.0]	3.28 [83.3]	2.85 [72.4]	1.75 [44.5]	2.24 [56.9]	4.00 [101.6]	1.91 [48.5]		
8041-005-00	-	100	12													
8041-006-00	-	200	23													
8041-007-00	-	500	56													
8041-008-00	-	1000	113	0.999"	1/4"	4.14 [105.2]	8.75 [222.6]	4.63 [117.6]	3.00 [76.2]	2.50 [63.5]	4.25 [108.0]	2.78 [70.6]	2.38 [60.5]	2.97 [75.4]	5.00 [127.0]	2.36 [59.9]
8041-009-00	-	1500	170													
8041-010-00	-	2000	226													
8041-011-00	-	5000	565													
8041-012-00	-	10000	1130	1.749"	3/8"	4.14 [105.2]	8.75 [222.6]	4.63 [117.6]	3.00 [76.2]	2.50 [63.5]	4.25 [108.0]	2.78 [70.6]	2.38 [60.5]	2.97 [75.4]	5.00 [127.0]	2.36 [59.9]
XXXX-XXX-XX	-	15000	1700													
XXXX-XXX-XX	-	20000	2260													

PIN CONFIGURATION



1	EXC +
2	SIG +
3	SIG -
4	EXC -
5	NC