

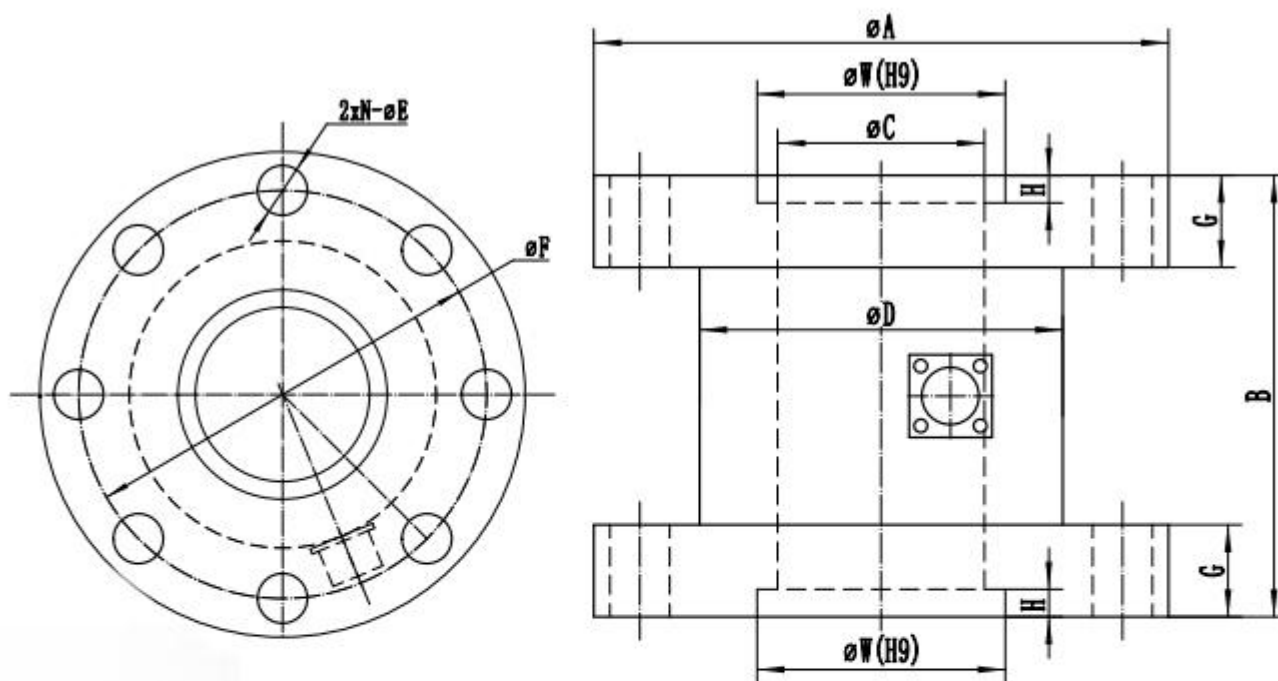
LCJN-B01 Reaction Torque Sensor

Characteristics & Usage:

Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

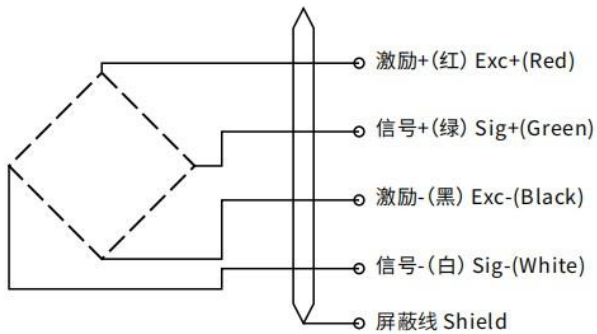
It is widely used in static torque testing system of testing machine, torque wrench, steering machine, electric actuator, valve and transmission.

Dimensions (mm) :

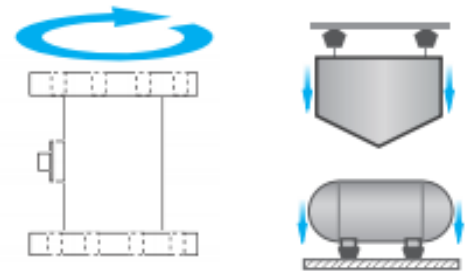


量程 (N.m)	A	B	C	D	E	F	N	G	W	H
1-30	69	65	14	41	6.5	57	6	12	22	5
30-300	69	65	22	41	6.5	57	6	12	25	5
500-1000	98	80	30	60	8.5	80	8	15	40	6
2000-5000	125	96	45	79	13	105	8	20	50	6
10000	160	140	40	101	17	130	8	30	80	6
20000	210	140	/	119	22	165	8	30	100	6
30000-50000	310	200	/	180	26	250	12	45	130	6
100000	380	230	/	218	38	310	12	55	170	8

Sensor wiring diagram



Force diagram



Technical parameters

量程 Capacity	0-100000N.m	材质 Material	合金钢 Alloy Steel
输出灵敏度 Rated Output	1.0-2.0mV/V	阻抗 Impedance	350/700 Ω
零点输出 Zero Balance	$\pm 2\%$ F.S.	绝缘电阻 Insulation	$\geq 5000M \Omega /100VDC$
非线性 Non-linearity	0.3% F.S.	使用电压 Recommended Excitation	5-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp range	-20~80 $^{\circ}C$
重复性 Repeatability	0.1% F.S.	安全超载 Safe Load Limit	120%
蠕变 (30 分钟) Creep (30 Min)	0.1% F.S.	极限超载 Ultimate Load Limit	150%
温度灵敏度漂移 Temp Effect on output	0.05% F.S./10 $^{\circ}C$	电缆线规格 Cable Specifications	$\Phi 5*3m$
零点温度漂移 Temp Effect on Zero	0.05% F.S. /10 $^{\circ}C$	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS Optional 可选	