

LCJN-B03 Reaction Torque Sensor

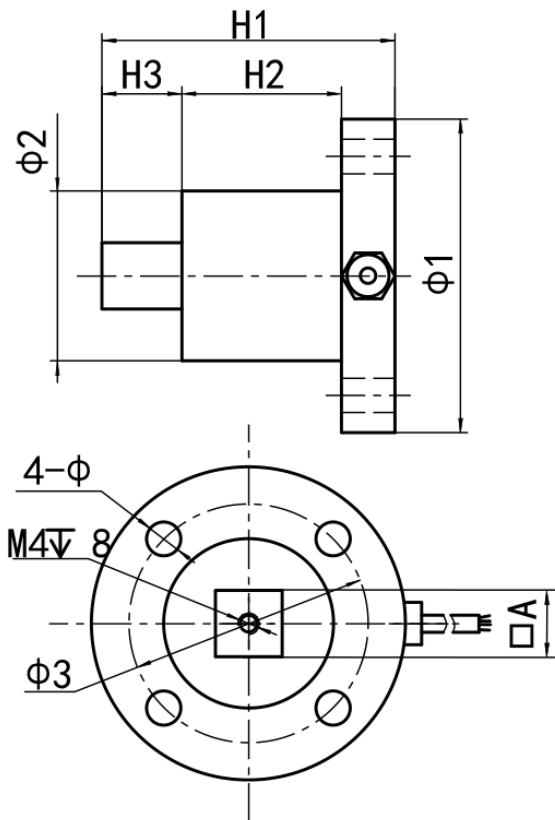
Characteristics & Usage:

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

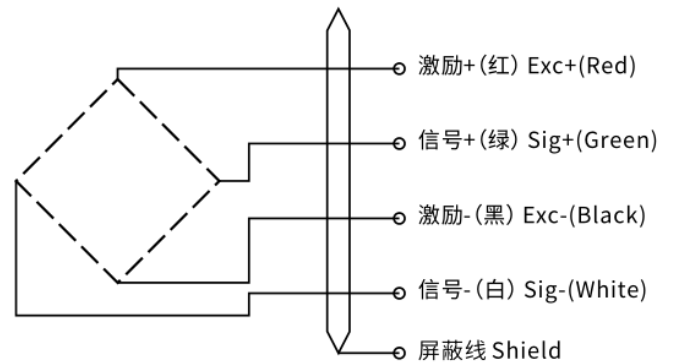
It is widely used in static torque testing system of testing machine, torque wrench, steering machine, electric actuator, valve and transmission.



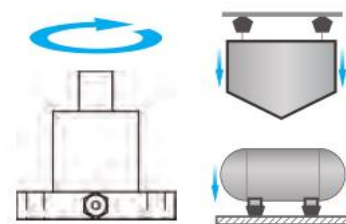
Dimensions (mm) :



Sensor wiring diagram



Force diagram



Capacity(N.M)	A	H1	H2	H3	Φ1	Φ2	Φ3	Φ
2-200	12.5	55	30	15	59	32	45	6.5
300-1500	25.4	75	40	24	68	40	55	8.5
2000-3000	25.4	85	44	24	98	56	80	13

Technical parameters

量程 Capacity	0-3000N.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℃
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℃	电 缆 线 规 格 Cable Specifications	$\Phi 3 \times 3m$
零点温度漂移 Temp Effect on Zero	0.05% F.S. /10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS Optional 可选	