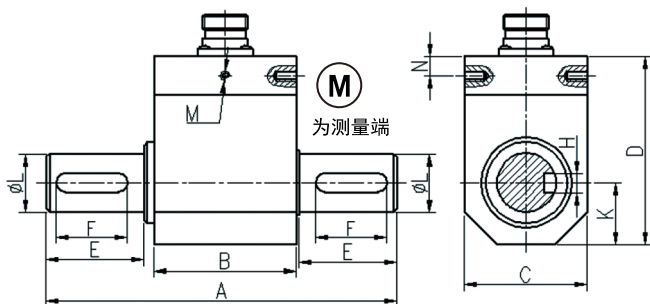


DYN-206 动态扭矩传感器 Dynamic torque sensor



外形尺寸 External Dimension



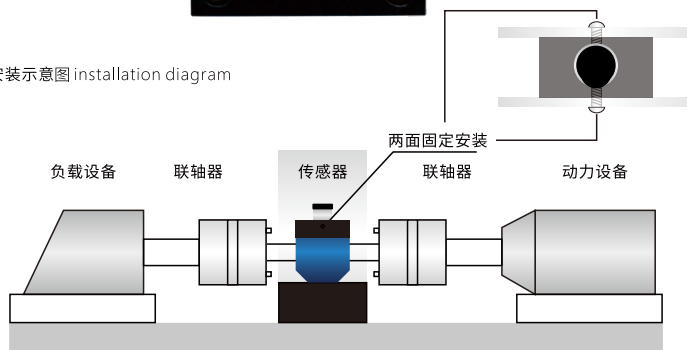
量程(N.m)	A	φL	B	C	D	E	F	K	N	M	H
5/10/20/ 30/50/100	108	18	44	38	58	30	22	19	6	3-M3	6
200/300	143	28	56	53	73.5	40	30	27	6	2-M3	8
500/600/800	188	38	70	78	96	56	40	39	7	5-M8	10

参数表 Parameters Table

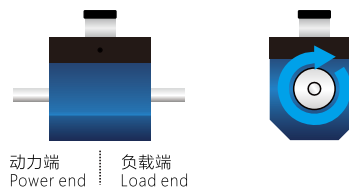
量程 Capacity	0-800N.m
转速信号 Speed Capacity	1.5mV/V
零点输出 Zero Balance	±2%F.S.
非线性 Non-Linearity	0.1%F.S.
滞后 Hysteresis	0.03%F.S.
重复性 Repeatability	0.03%F.S.
蠕变(30分钟) Creep(30min)	0.03%F.S.
温度灵敏度漂移 Temp Effect on Output	0.03%F.S./10°C
零点温度漂移 Temp Effect on Zero	0.1%F.S./10°C
响应时间 Response Time	1.0ms(50%反应)
响应频率 Response Frequency	1kHz
最大扭转角 Maximum torsion angle	2.60x10rad(0.149°)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率	19.4kHz
Natural frequency of rotor vibration	
扭力常数 Torsion constant	3.85x10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2kΩ
使用电压 Operating Temp Range	DC 24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	-10~50°C 0-85%RH
安全过载 Safe Overload	200%
电缆线规格 Cable Specifications	φ5x3m
线缆极限拉力 Cable ultimate pull	10kg



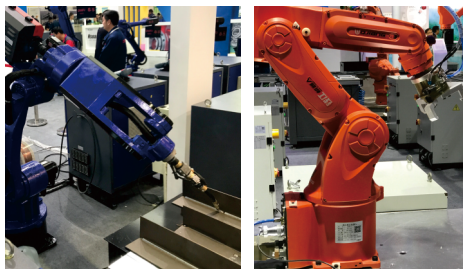
安装示意图 installation diagram



传感器受力图 Force diagram of sensor

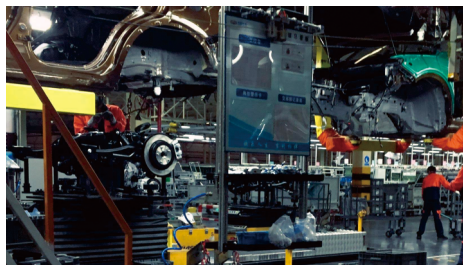


应用领域 Application



1. 检测各种加工中心自动机床工作过程中的扭矩。
2. 电/气动扭矩扳手

1. Inspection of various machining centers During the operation of automatic machine tool Torque.
2. Electric / pneumatic torque wrench.



1. 检测电动机、内燃机等旋转动力设备
1. Testing motor, internal combustion engine and other rotating power equipment.