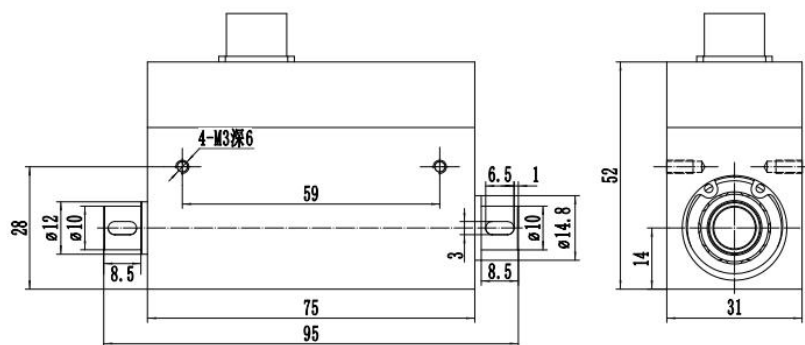




外形尺寸 / Dimensions



特点和用途 / Features &amp; Applications

- 电阻应变为敏感元件和集成电路构成的一体产品
  - 精度高，性能稳定可靠
  - 可高速长时间运转
  - 输出正反扭矩信号
  - 两端均为键连接
  - 最高转速不超过 4000 转/分钟
- ❖ Restive strain is an integrated product of sensitive element and integrated circuit
  - ❖ High accuracy, stable and reliable performance
  - ❖ It can run at a high speed for a long time
  - ❖ Output the positive and reverse torque signal
  - ❖ Both ends are key-connected
  - ❖ Maximum rotational speed does not exceed 4,000 rpm

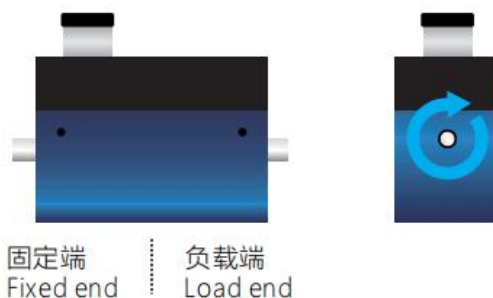
技术参数 / Technical Parameters

量程 Capacity	0~5N.m
转速量程 Speed Signal	≤000rpm
转速信号 Speed Capacity	120/60/10 脉冲/转, 4~20mA, 0~20mA, 0~5V, 0~10V
零点输出 Zero balance	±2% R.O.
滞后 Hysteresis	0.5 % R.O.
重复性 Repeatability	0.5% R.O.
非线性 Non-linearity	0.1% R.O.
蠕变 Creep	0.3% R.O.
零点温漂 Temp.effect on zero	0.1 % R.O. / 10°C
灵敏度温漂 Temp.effect on output	0.03% R.O. / ° 10C
响应时间 Response time	1.0ms(50%反应)
响应频率 Response frequency	1kHz
采集速度 Acquisition Speed	550/1200 次/秒
显示范围 Display Range	-99999~99999
最大扭转角 Maximum torsion angle	2.60*10rad(0.149)
惯性力矩 Moment of inertia	0.38kgcm
转子振动固有频率 Natural frequency of rotor vibration	19.4kHz
扭力常数 Torsion constant	3.85*10Nm/rad
材质 Material	不锈钢
年稳定性 Stability per yer	0.3%/年
负载电阻 Load resistance	>2k Ω
推荐激励电压 Recommended excitation	DC24V 0.2A
消耗电流 Current Consumption	<150mA
工作环境 Work Environment	- 10 ~ 50 °C0~85%RH
安全载荷 Safe overload	200% R.C.
电缆线规格 Cable Specifications	Ø5*3m
线缆及限拉力 Cable ultimate pull	10kg

选型表 / Features &amp; Applications

量程 Cap	0.1, 0.2, 0.3, 0.5, 1, 2, 3, 5
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传感器受力图 / Force diagram of sensor



安装示意图 / Installation diagram

