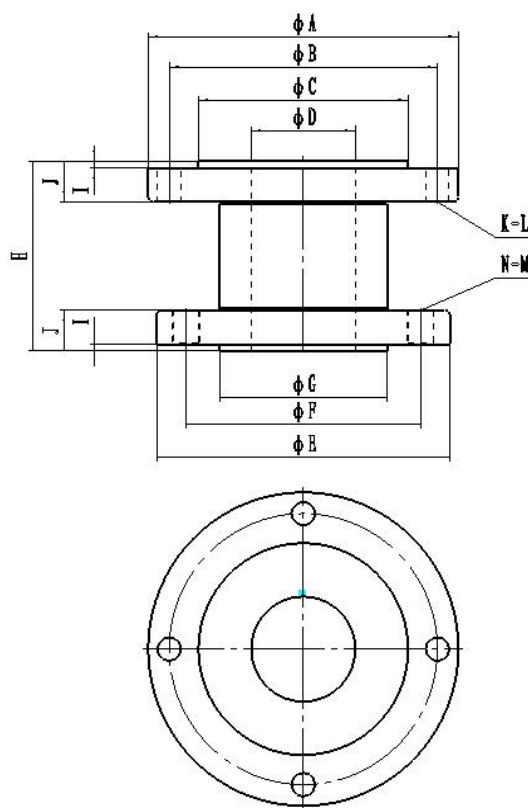


SM504-LY Torque sensor



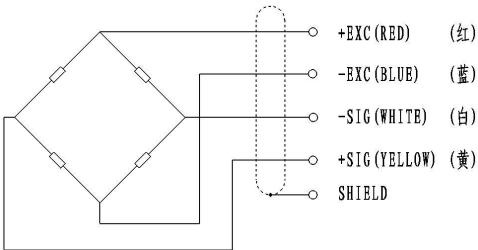
Dimensions (In mm, 1mm=0.03937 inches)



Range (N.m)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
300	185	160	125	62	175	140	100	112	4	24	4	$\Phi 14$	M16	4
600	225	195	150	78	210	165	130	130	4	24	4	$\Phi 18$	M20	4
1200	275	235	180	88	300	254	200	158	4	25	4	$\Phi 22$	M16	8
20000	415	356	198	165	415	356	260	235	5	30	8	$\Phi 33$	M30	8

Circuit Diagram:

- Red: +input
- Blue: -input
- White: +output
- Yellow: -output



Specification:

Type	Technical parameters
Nominal load range	0.5 ~ 300kg
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance (R _{ic})	380±5Ω (ohms)
Output resistance (R _o)	350±2Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.05%FS
Effect of temperature	0.05%FS/10°C
Operating temperature	-40 ~ +85°C
Safe Load Limit	200% FS
Safety margin against yielding	300% FS
Safety margin against breakage	500% FS
Material material	High performance alloy steel or (chromium ratio>15% stainless steel)
Protection type	IP66