



TCR

Shaft Type Rotary Torque Transducer (1kgf-m ~ 500kgf-m)

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FEATURE

Operating based on the principal of strain gauge, TCR model is available for measuring RPM and torque of continuous rotating object. Application include the performance testers for industrial measurement equipment such as clutch, transmission, motor and pumps.

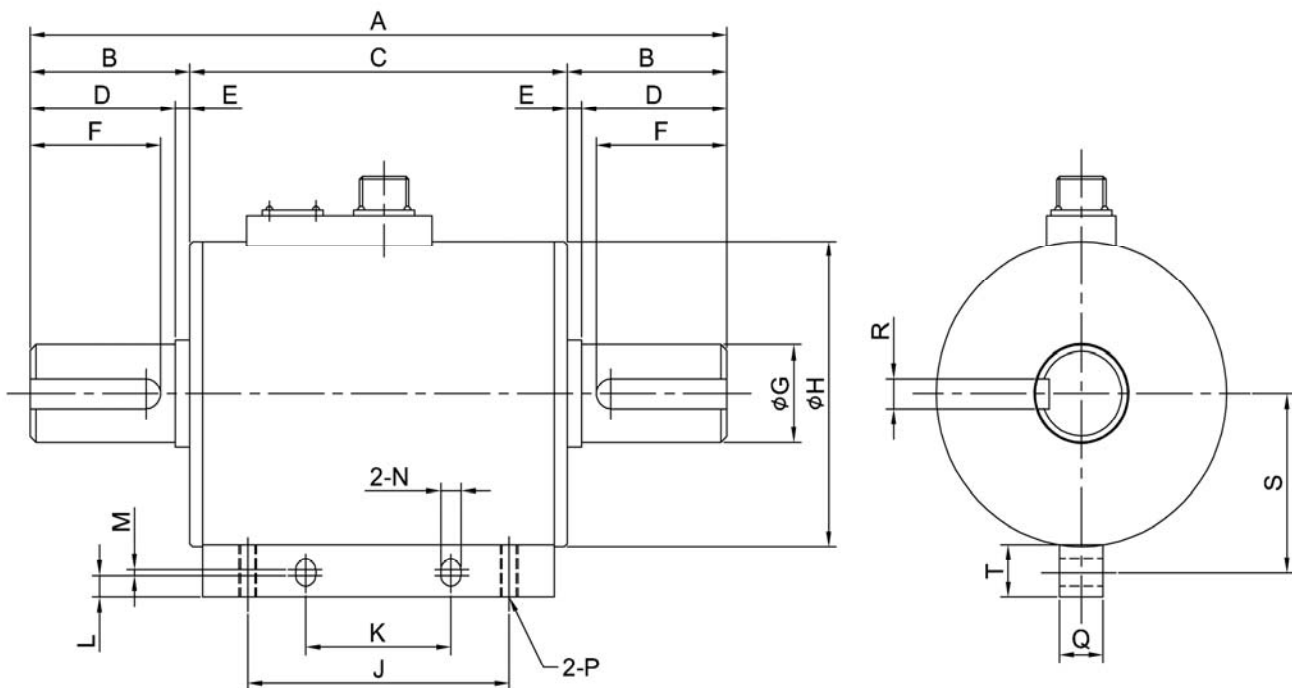
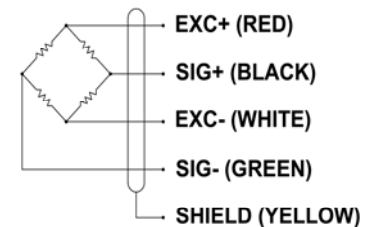
Possible to manufacture in your order.

SPECIFICATION

MODEL	TCR
Rated capacity (R.C.)	1, 2, 5, 10, 20, 50, 100, 200, 300, 500kgf-m
Rated output (R.O.)	1.5 ± 0.35mV/V
Non-linearity	≤ 0.3% R.O.
Hysteresis	≤ 0.3% R.O.
Non-repeatability	≤ 0.3% R.O.
Terminal resistance, input	350Ω ± 1%
Terminal resistance, output	350Ω ± 1%
Insulation resistance	>2000MΩ
Temp. effect on rated output	≤ 0.1% LOAD/10°C
Temp. effect on zero balance	≤ 0.1% R.O./10°C
Excitation Voltage	10V DC
Safe overload	150% R.C.
Cable	φ7 shield 5m



WIRING INFORMATION



DIMENSION

Rated Capacity	A	B	C	D	E	F	φG	φH	J	K	L	M	N	P	Q	R	T	S	R.P.M
1, 2, 5kgf-m	203	43	117	38	5	35	18	85	70	50	7	2	7	M6	15	5x5	17	51	4500
10, 20 kgf-m	240	55	130	50	5	45	32	100	90	50	7	2	7	M6	15	10x8	17	58.5	4000
50, 100kgf-m	340	95	150	90	5	85	47	118	100	60	8	2	9	M8	17	12x8	20	69.5	3000
200, 300kgf-m	360	106	148	100	6	95	63	131	100	60	8	2	9	M8	17	18x11	20	76	2900
500kgf-m	430	125	180	115	10	105	73	160	-	70	11	3	10.5	-	20	20x12	25	92	2000