

SHAFT TYPE TORQUE SENSORS

Model TRD

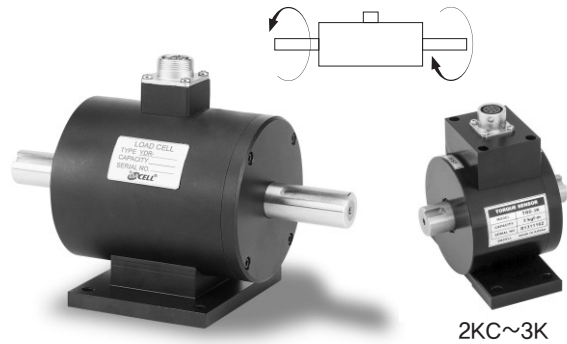
접촉식(Brush type) 토크센서로 회전하는 물체의 연속적인 토크 측정. Strain gauge 방식으로 브러쉬와 슬립링을 사용하여 정밀도가 높음.

소형이며 사용이 간단하고 안전함.

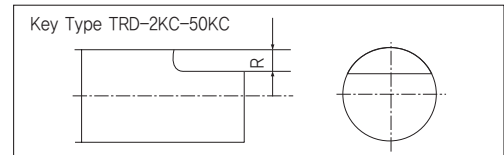
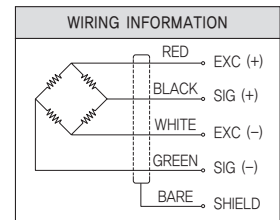
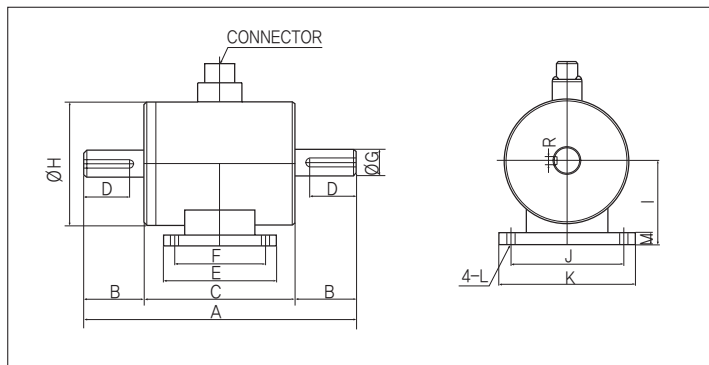
모터, 엔진 클러치 등의 테스트장비에 사용
변속기, 브레이크, 클러치의 특성테스트.

볼트, 너트의 토크 체결장치 등.

※옵션 : Foot mount.



2KC~3K



SPECIFICATIONS

Specifications	Accuracy
정격 용량(R.C.)	2~50kgf-cm, 1~2000kgf-m 0.196, 0.490, 0.981, 1.961, 2.942, 4.903, 9.807, 19.61, 29.42, 49.03, 98.07, 196.1, 490.3, 980.7 1.961, 4.903, 9.807, 19.61(kN-m)
정격 출력(R.O.)	1.5mV/V±1%(2kgf-cm~5kgf-m:1mV/V)
비직진성	0.3%R.O.
히스테리시스	0.3%R.O.
반복성	0.2%R.O.
사용 전압	10V
입·출력 저항	350Ω±5%
절연 저항	200MΩ
출력의 온도영향	0.3% R.O./10℃
영점의 온도영향	0.2% Load/10℃
허용 과부하	120% R.C.
케이블 길이	Ø7.4core cable 3m

DIMENSIONS TABLE

unit:mm

Model	Capacity	A	B	C	D	E	F	ØG	ØH	I	J	K	ØL	M	R	R.P.M
TRD-2KC	2kgf-cm (0.196N-m)	84	16	52	12	42	32	8	60	34	65	76	5.5	8	1	3000
TRD-5KC	5kgf-cm (0.490N-m)	84	16	52	12	42	32	8	60	34	65	76	5.5	8	1	3000
TRD-10KC	10kgf-cm (0.981N-m)	84	16	52	12	42	32	8	60	34	65	76	5.5	8	1	3000
TRD-20KC	20kgf-cm (1.961N-m)	84	16	52	12	42	32	8	60	34	65	76	5.5	8	1	3000
TRD-30KC	30kgf-cm (2.942N-m)	84	16	52	12	42	32	12	60	34	65	76	5.5	8	1.5	3000
TRD-50KC	50kgf-cm (4.903N-m)	84	16	52	12	42	32	12	60	34	65	76	5.5	8	1.5	3000
TRD-1K	1kgf-m (9.807N-m)	90	16	58	12	46	32	18	72	41	80	94	6.5	8.5	5×5	5000
TRD-2K	2kgf-m (19.61N-m)	90	16	58	12	46	32	18	72	41	80	94	6.5	8.5	5×5	5000
TRD-3K	3kgf-m (29.42N-m)	90	16	58	12	46	32	18	72	41	80	94	6.5	8.5	5×5	5000
TRD-5K	5kgf-m (49.03N-m)	180	42.5	95	35	64	50	18	80	46	80	100	7	12	5×5	5000
TRD-10K	10kgf-m (98.07N-m)	180	42.5	95	35	64	50	18	80	46	80	100	7	12	5×5	5000
TRD-20K	20kgf-m (196.1N-m)	220	55	110	45	100	84	32	100	63	98	115	7	12	10×8	4000
TRD-50K	50kgf-m (490.3N-m)	220	55	110	45	100	84	32	100	63	98	115	7	12	10×8	4000
TRD-100K	100kgf-m (980N-m)	280	80	120	69	120	98	47	100	66	124	148	8.5	15	12×8	4000
TRD-200K	200kgf-m (1.961kN-m)	280	80	120	69	120	98	47	100	66	124	148	8.5	15	12×8	4000
TRD-500K	500kgf-m (4.903kN-m)	390	130	130	100	126	100	90	172	101	154	180	11	20	25×14	2000
TRD-1000K	1000kgf-m (9.807kN-m)	390	130	130	100	126	100	90	172	101	154	180	11	20	25×14	2000
TRD-2000K	2000kgf-m (19.61kN-m)	440	150	140	120	148	110	115	210	130	190	228	13	23	32×18	2000

★Specifications are subject to change without notice.