

# CTCR Series

Shaft Type Rotary Torque Transducer

1 kgf · m ~ 500 kgf · m



## FEATURES

Operating based on the principal of strain gage, CTCR 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.

## SPECIFICATIONS

MODEL	CTCR
Rated capacity (R.C.)	1, 2, 5, 10, 20, 50, 100, 200, 300, 500 kgf · m
Rated output (R.O.)	1.5 ± 0.35 mV / 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	2000 MΩ
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	Ø 7 shield 5m

## DIMENSIONS

Unit : mm

**WIRING INFORMATION**

- EX+ (RED)
- SIG+ (BLACK)
- EX- (WHITE)
- SIG- (BLUE)
- SHIELD (YELLOW)

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