

# CTCS Series

Shaft Type Rotary Torque Transducer  
5 kgf · cm ~ 1,000 kgf · cm



## FEATURES

CTCS models are appropriate for measuring torque of continuous rotating object with comparative low capacity and for using bolts, assembly and product line in laboratory.

## SPECIFICATIONS

MODEL	CTCS
Rated capacity (R.C.)	5, 10, 20, 50, 100, 200, 500, 1000 kgf · cm
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
Maximum R.P.M	6000 R.P.M

## DIMENSIONS

Unit : mm

Rated Capacity	A	B	C	D	ØE	F	G	H	I	J	K	L	M	N	P
5, 10 kgf · cm	96	60	18	12	8	1	10	40	92.5	87	72	57	16.5	7.5	4.5
20, 50 kgf · cm	100	60	20	12	10	1	10	40	92.5	87	72	57	16.5	7.5	4.5
100, 200 kgf · cm	120	76	22	15	18	5 × 5	10	40	92.5	87	72	57	20	7.5	4.5
500, 1000 kgf · cm	146	76	35	20	20	6 × 6	10	40	92.5	97	82	67	20	7.5	5.5