

Socket Wrench Type Rotary Torque Transducer

FEATURES

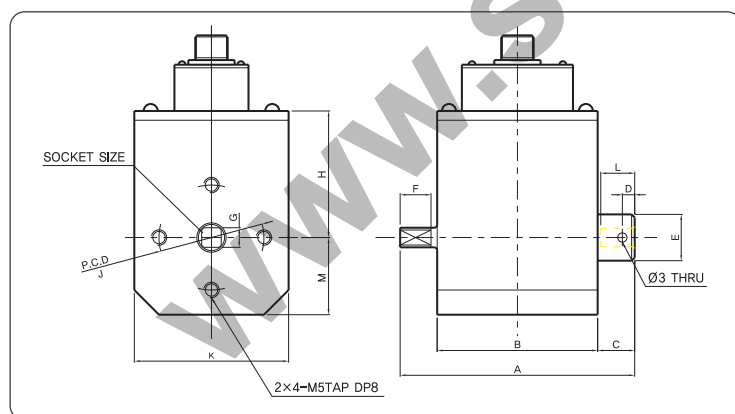
- Model RTSW socket wrench torque sensors are used for fast, accurate measurement of bolt or nut wrenching torques.
- This model operates in both directions so tightening and break-away torques can be measured.
- It can also be used to check the calibration of mechanical torque wrenches.

TECHNICAL SPECIFICATION

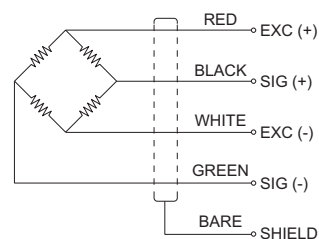
Model	RTSW
Rated capacity (R.C)	2kgf.cm ~ 3000kgf.cm
Rated output (R.O)	1.3mV/V $\pm 1\%$
Non-linearity	0.3% R.O.
Hysteresis	0.3% R.O.
Repeatability	0.3% R.O.
Terminal resistance, input	350 $\pm$ 3.5 Ω
Terminal resistance, output	350 $\pm$ 3.5 Ω
Insulation resistance	300M Ω
Temp. range, compensated	-10°C~60°C
Temp. range, safe	-20°C~70°C
Safe overload	150% R.C.
Temp. effect on zero balance	0.05% R.O/10°C
Temp. effect on rated output	0.1% Load/10°C
Excitation recommended	10V DC
Safe overload	150% R.C.
Cable	Ø4 shield 3m



DIMENSION DETAILS



WIRING INFORMATION



DIMENSION TABLE

Unit : mm

Capacity	Socket Size	A	B	C	D	ØE	F	G	M	K	L	J	H
2, 5, 10 kgf.cm	1/4"	76	52	12	4	15	10	6.35	25	50	11	34	41
20, 50 kgf.cm	3/8"	82	56	12	4	15	12.5	9.53	25	50	13	34	41
100, 300 kgf.cm	1/2"	96	58.5	19.5	7	20	16	12.7	31	62	17	44	42
500, 1000 kgf.cm	3/4"	106	58	24	10	30	22	19.1	34	68	22	52	53
2000, 3000 kgf.cm	1"	123	58	33	14	40	29.2	25.4	39	78	28	62	54