



This is I.T. Co., Ltd.

1878 Moo 1 Soi Bearing 44 Sukhumvit 107 Rd.

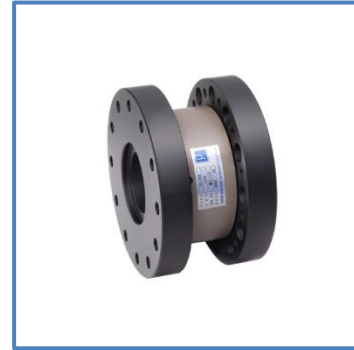
T.Samrongnua A.Muang Samutprakarn Thailand 10270

Hot Line: 091-095-8123 Site: www.thisisit.co.th E-mail: sales@thisisit.co.th

TPD – HIGHLY RIGID TORQUE TRANSDUCER (REACTION)

Features

- Low-profile construction means that it can be installed anywhere.
- Small torsional angle at rated load, so less susceptible to radial effects.



Specifications

Safe Overload	150% RC
Rated Output	1.0mV/V±1%
Nonlinearity	0.2%RO
Hysteresis	0.2%RO
Repeatability	0.1%RO
Excitation Voltage	12V (or less)
Safe Excitation Voltage	20V
Input Resistance	350Ω
Output Resistance	350Ω
Compensated Temp.Range	-10 to60°C
Safe Temp.Range	-30 to 80°C
Temp.Effect on Zero	0.01%RO/°C
Temp.Effect on Output	0.01%RO/°C
Connector (on body)	Receptacle / R03-RB5F
Attached cable	Φ4mm-4wire, length: 5m (Connector one side R03-PB5M, one side PRC03-12A10-7M)



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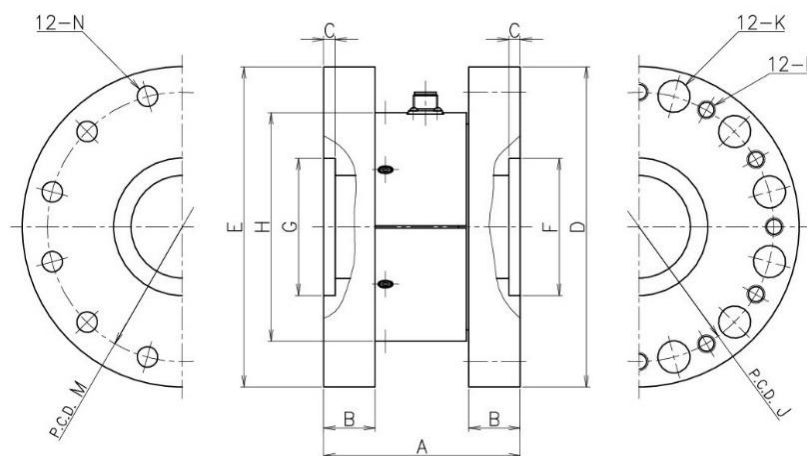
SHOWA MEASURING INSTRUMENTS INC.

Tokyo Japan



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Appearance Dimensions



Model and Capacity / Dimension / etc. (unit : mm)

Model	Capacity	A	B	C	D	E	F/G	H	J/M	N	L	K	Weight
TPD-500N	500N•m	86±0.3	22.5	5	140	140	60	100	118	9	M8	14	4.6kg
TPD-1KN	1kN•m	86±0.3	22.5	5	140	140	60	100	118	9	M8	14	4.6kg
TPD-2KN*	2kN•m	95	25	5	180	180	80	130	155	11	M10	17	8.8kg
TPD-5KN*	5kN•m	120	30	5	245	245	130	180	210	13	M12	19	18.5kg
TPD-10KN*	10KN•m	140	35	5	295	295	160	215	255	15	M14	22	30.5kg

- The items with the Mark (*) are produced only on order placed.
- Tolerance dimensions for D are “g6” and for F/G “h7”.



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