

"MMF" / Torque & Spindle Power transducer

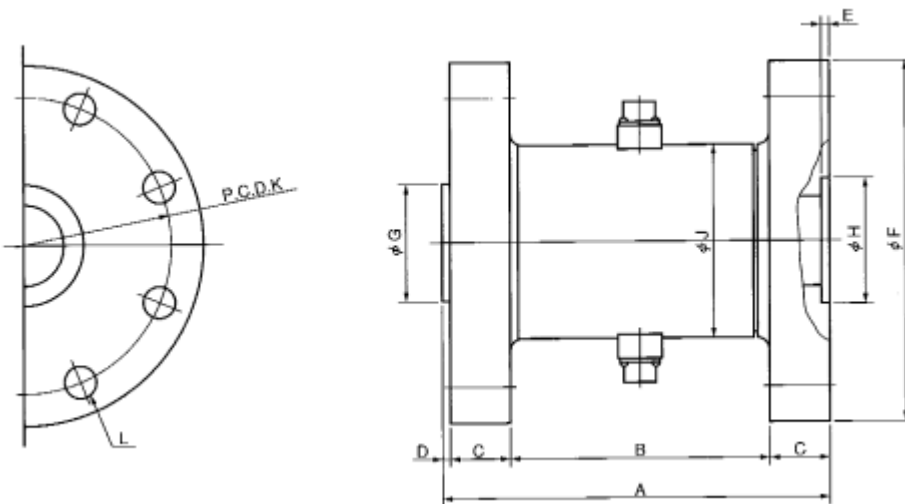


Features

- This is a transducer of simple construction for torque and axial force detection.
- Provided with a flange for easy installation. Most suitable for use in materials testing machines.
- Crosstalk: Within 3% (Supplied with a relative data sheet).
- Meeting with a high capacity requirement (2kN-m/200kN).

Related products : [High accuracy 2-Component Load Cell](#) / [6-Component force sensor](#)

Appearance Dimensions



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

Model	Capacity (Torque/axial force)	A	B	C	D	E	F	G(g6)	H(H7)	J	K	Natural frequency (Torque/axial force)	Weight
MMF-200-20KN	200N•m /20kN	104	70	15	4	5	135	45	45	75	110	570Hz/1.9kHz	4.1kg
MMF-500-50KN	500N•m /50kN	132	80	24	4	5	170	50	50	89	135	520Hz/1.8kHz	9.1kg

MMF-1K-100KN	1kN•m /100kN	174	110	30	4	5	185	50	50	89	140	500Hz/2.8kHz	13.6kg
MMF-2K-200KN	2kN•m /200kN	225	135	43	4	5	250	50	50	89	200	320Hz/2.4kHz	32.1kg

Specifications

Safe Overload	150%RC
Rated Output	1mV/V±1%
Nonlinearity	0.2%RO
Hysteresis	0.2%RO
Repeatability	0.1%RO
Excitation Voltage	10V (or less)
Safe Excitation Voltage	15V (or less)
Input Rsistance	350Ω
Output Rsistance	350Ω
Compensated Temp.Range	-10 to 60°C
Safe Temp.Range	-30 to 80°C
Temp.Effect on Zero	0.01%RO/°C
Temp.Effect on Output	0.01%/°C
crosstalk	3%RO (Both torque & axial force)
Connector(on body)	Receptacle / PRC03-21A10-7F
Attached cable	L-A-5 (Refer to transducer connections)