

Model BRDM-N series

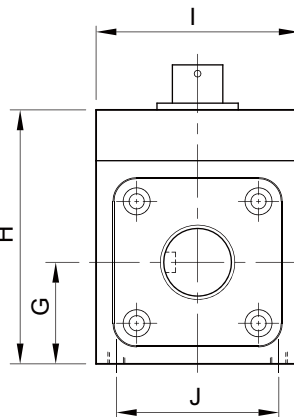
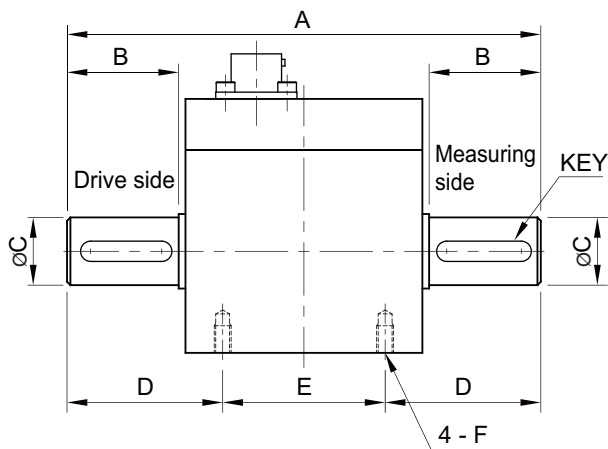
Rotary Torque Sensor
(5Nm ~ 500Nm)

- High accuracy (0.2%)
- High quality slip ring installed
- 17-4PH stainless steel shaft
& Aluminum housing



SPECIFICATIONS

MODEL	BRDM - N
Rated capacity (R.C.)	5, 10, 20, 50, 100, 200, 500Nm
Rated output(R.O.)	1.5mV/V $\pm$ 0.5%
Non-linearity	$\leq$ 0.2% R.O.
Hysteresis	$\leq$ 0.2% R.O.
Non-repeatability	$\leq$ 0.1% R.O.
Zero balance	$\leq$ 1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	$\leq$ 0.1% LOAD/10°C
Temp. effect on zero balance	$\leq$ 0.05% R.O./10°C
Terminal input resistance	420 Ohms $\pm$ 50 Ohms
Terminal output resistance	350 Ohms $\pm$ 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	3~12V(Recommended), 15V(Max.)
Electrical connection	Connector & Cable 3m (5mm, 4core)
Safe overload	150% R.C
Ultimate overload	300% R.C

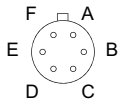


ORDERING INFORMATION

BRDM-N	-	50
MODEL		CAPACITY
BRDM-N		5, 10, 20, 50, 100, 200, 500Nm

PIN CONNECTION

- PIN A : EXC + (RED)
PIN B : SIG + (GREEN)
PIN C : EXC - (WHITE)
PIN D : SIG - (BLUE)



Dimension-mm

Rated Capacity	A	B	ØC	D	E	F	G	H	I	J	KEY	Max. Speed
5, 10Nm (0.51, 1.02kg-m)	106	16	12	29	48	M4x0.7P Depth 8	23	58	46	36	4 x 4	4000 rpm
20Nm (2.04kg-m)	122	24	18	37	48	M5x0.8P Depth 10	30	75	60	48	5 x 5	3000 rpm
50Nm (5.10kg-m)	140	33	18	46	48	M5x0.8P Depth 10	30	75	60	48	5 x 5	3000 rpm
100Nm (10.2kg-m)	140	35	20	46	48	M5x0.8P Depth 10	30	75	60	48	6 x 6	3000 rpm
200Nm (20.4kg-m)	208	52	32	67	74	M6x1P Depth 12	41	97	82	66	10 x 8	2500 rpm
500Nm (51.0kg-m)	214	57	35	70	74	M6x1P Depth 12	41	97	82	66	10 x 8	2500 rpm

* Specifications are subject to change without notice

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