

# MODELS 1228/1248

Flange drive for use when short length is mandatory



## FEATURES :

- Special application flanges
- Short drive length
- High stiffness for increased frequency response
- An industry military standard for pump and driveline testing

## PERFORMANCE SPECS : 1228/1248

### SPECIFICATIONS

#### Actual performance average:

Nonlinearity:	0.030%
Hysteresis:	0.031%

Nonlinearity: of rated output	±0.15%
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Hysteresis: of rated output	±0.15%
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Output at rated capacity: millivolts per volt, nominal	2
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Repeatability: of rated output	±0.05%
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Zero balance: of rated output	±1.0%
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Bridge resistance: ohms nominal	350
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Temperature range, compensated: °F	+70 to +170
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Temperature range, compensated: °C	+21 to +77
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Temperature range, usable: °F	-20 to +200
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Temperature range, usable: °C	-29 to +93
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Temperature effect on output: of reading per °F	±0.002%
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Temperature effect on output: of reading per °C	±0.0036%
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Temperature effect on zero: of rated output per °F	±0.002%
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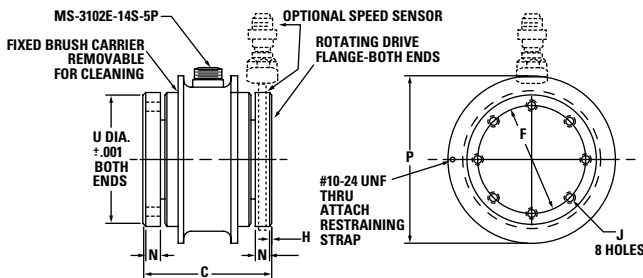
Temperature effect on zero: of rated output per °C	±0.0036%
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Excitation voltage, maximum: volts DC or AC rms	20
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Insulation resistance, bridge/case: megohms at 50 VDC	>5,000
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Number of bridges	1
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\*Prior to installation, consult instruction manual for maximum safe bending moments.



	1228 IN.	CM.	1248 IN.	CM.
C	3.31	8.41	4.31	10.95
N	0.38	0.95	0.56	1.43
P	4.81	12.22	5.63	14.30
F	3.13	7.94	3.63	9.21
J	¼-28	-	¾-24	-
U	3.50	8.89	4.25	10.80
H	0.13	0.32	0.31	0.79
A	-	-	-	-

## SENSOR CHARACTERISTICS : 1228/1248

MODEL NUMBER	CAPACITY lb. in. (N • m)	MAX. SPEED RPM	PROTECTED FOR OVERLOADS TO oz. in. (N • m)	TORSIONAL STIFFNESS lb. in./rad. (N • m/rad.)	ROTATING INERTIA lb.-in. sec. <sup>2</sup> (N • m sec. <sup>2</sup> )	WEIGHT lbs. (kg.)	BRUSH LIFE FACTOR x 10 <sup>6</sup>	RING DIAMETER in. (cm.)
1228-2K	2,000 (225)	5,000	3,000 (340)	1,035,000 (117,000)	1.13 x 10 <sup>-2</sup> (1.30 x 10 <sup>-3</sup> )	8 (3.60)	12.70	2.53 (6.43)
1228-5K	5,000 (565)	5,000	7,500 (850)	2,141,000 (241,890)	1.14 x 10 <sup>-2</sup> (1.30 x 10 <sup>-3</sup> )	8 (3.60)	12.70	2.53 (6.43)
1228-10K	10,000 (1,130)	5,000	15,000 (1,695)	2,820,000 (318,000)	1.19 x 10 <sup>-2</sup> (1.30 x 10 <sup>-3</sup> )	8 (3.60)	12.70	2.53 (6.43)
1248-20K	20,000 (2,250)	5,000	30,000 (3,390)	4,657,000 (526,000)	4.02 x 10 <sup>-2</sup> (4.60 x 10 <sup>-3</sup> )	17 (7.70)	9.40	3.25 (8.26)

Model 1241-50K and 1241-100K available. Contact factory for details.

