

Model 92000 Series Flanged Dynamometer Torque Sensor DIN Mount Configuration

The 92000 DIN Mount Series is a robust product designed for high accuracy testing. Physically, the 92000 Series eliminates bearings, slip rings and other movable components. The single piece rotary torque sensor is attached between the engine and load, while a non-contact telemetry antenna is pedestal mounted around the sensor, transmitting a digital signal to the receiver unit.

FEATURES:

- Total Non-Contact Rotary Sensor
- 19 Bit Digital Telemetry
- High Level Output
- Short Drive Length
- Custom Mount Configurations Optional

PARAMETER	MINIMUM	NOMINAL	MAXIMUM	UNIT
Power Supply (standard) non isolated	11.75	12	12.25	VDC
Voltage Output	-10	0	10	VDC
Current Output	4	12	20	mA
Load Impedance for current loop	-	-	500	Ohms
Frequency Output (selectable)	5000	10000	15000	Hz
	40000	60000	80000	Hz
Digital Output	-	RS232/485	-	-
Sampling Rate	-	17656	-	sps
Linearity (system)	-	0.05	-	%FS
Resolution	0.01	-	0.001	%FS
Measurement Frequency Range	0	-	3000	Hz
Digital Filter	0.1	-	1K	Hz
Rotation Speed Range	0	-	30000	rpm
Offset Temperature Stability	-	0.005	-	±%FS/°C
Gain Temperature Stability	-	0.005	-	±%FS/°C
Operating Temperature Range	-40	-	+85	°C
Compensated Temperature Range	-10	-	+70	°C

DIN SIZES AVAILABLE:

MODEL NUMBER	DIN FLANGE SIZE	CAPACITY
Model 92011	DIN 65	50, 100
Model 92012	DIN 90	250, 500
Model 92013	DIN 120	750, 1K, 1.5K
Model 92014	DIN 150	2K, 3K
Model 92015	DIN 180	4K
Model 92016	DIN 225	8K

Consult factory for other requirements or configurations.



ALSO AVAILABLE:

SAE Mount Configuration: Model 92004 Series.
Balanced Versions: To ISO-1940-Grade 2.5 spec.
Consult factory for details.

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