

PRODUCT DATA SHEET

ET2051 Low Speed Torquemeter

Model Rating

Maximum Continuous Torque: 560Nm

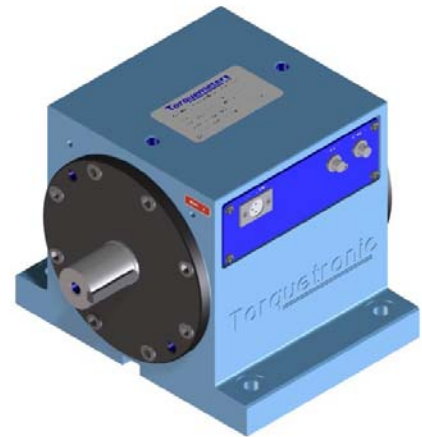
Maximum Continuous Speed: 12000rpm

Shaft Rating Range 56Nm to 560Nm

Accuracy at Full Scale Torque 0.12% Application Dependant

Specification

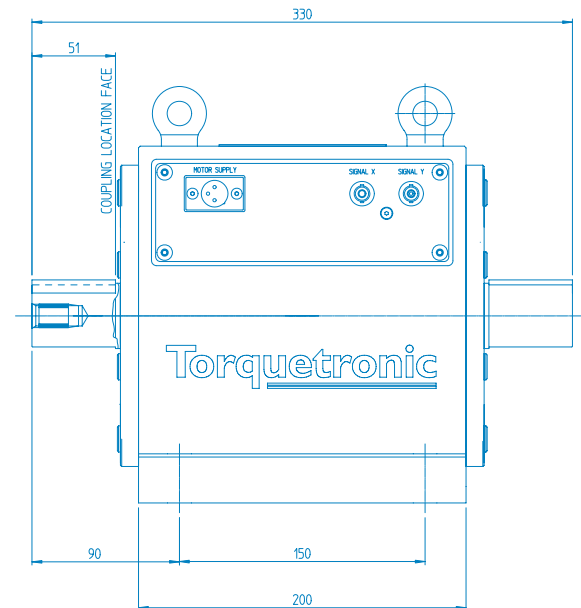
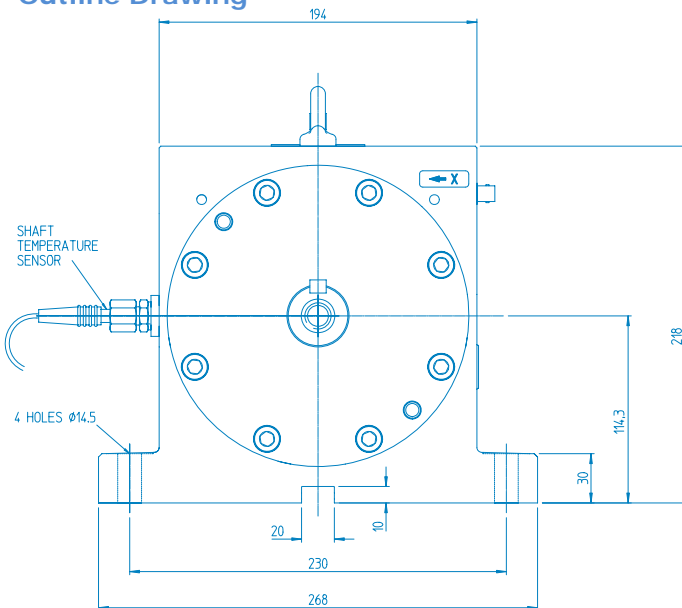
Number of Bearings	2
Bearing Temp. Monitoring	None
Bearing Lubrication Type	Grease
Accelerometer Mounting	None
Rotastat Voltage	See GDS01



Environment

Storage Temperature	-50 to 85°C
Operating Temperature	-20 to 80°C

Outline Drawing



Overall Weight 29kg

For more detail see drawings

INST02-2051-00	For installation drawing
02-2051-00	For itemized assembly drawing
E850001	For typical electrical connection drawing
03-2070-00	For drawing of optional calibration tooling



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Coupling Specification

Shaft End Type	1 off Deep Key
Nominal Size	Ø38mm

Bearing Lubrication Requirements

Lubrication type	Semi Synthetic Grease
Grease type	Shell Nerita HV Grease
Grease quantity	1.5ml

Cartridge Style

Interchangeable torsion shafts for ET2051 supplied as bearings and shaft only.

Permissible Speed vs CofG Overhang

Dependant on application.
Please contact Torquemeters Ltd

Inertia and Torsional Stiffness vs Shaft Rating

Dependant on application.
Please contact Torquemeters Ltd

Please refer to Technical Data Sheet (TDS01) for details of Torquetric Torquemeter phase shift system.
Please refer to Generic Data Sheet (GDS01) for details of Torquemeter options.