



NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 300% OF THOSE USED FOR CROSSTALK MEASUREMENT

SPECIFICATIONS

CAPACITY (Nm)	50
OVERLOAD CAPACITY (%F.S.)	300
OUTPUT @ F.S. (V), AFTER AMPLIFIER	2.5 \pm 2
POWER SUPPLY (V)	5V
BRIDGE RESISTANCE (Ω) NOMINAL	350
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^{\circ}$ C)	-20 TO +100
CROSSTALK (%F.S.)	2.0
AXIAL FORCE FOR CROSSTALK (N)	500
RADIAL FORCE FOR CROSSTALK (N)	500
BENDING MOMENT FOR CROSSTALK (Nm)	50
TORSIONAL STIFFNESS (KNm/RAD)	85
TORSION ANGLE (CALCULATED)	0.053 $^{\circ}$
TORSIONAL STIFFNESS (KNm/RAD)	57
MASS (KG)	0.09

WIRING CODE

COLOR	FUNCTION
RED	+EX
GREEN	+SIG
BLACK	GND
BROWN	-SIG

SUNRISE INSTRUMENTS

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SINGLE AXIS TORQUE LOADCELL
D53MM, 50 Nm, HIGH BENDING STIFFNESS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M2210H5

REV.
0.1