



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

SPECIFICATIONS	
CAPACITY (Nm)	60
OVERLOAD CAPACITY (%F.S.)	250
OUTPUT @ F.S. (RATIOMETRIC OUTPUT)	$2.5 \pm 2V$ *
POWER SUPPLY (TYPICAL)	4.5-5V, 25mA
BRIDGE RESISTANCE (Ω) NOMINAL	1050
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^\circ C$)	-20 TO +100
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	250
RADIAL FORCE FOR CROSSTALK (N)	250
BENDING MOMENT FOR CROSSTALK (Nm)	20
TORSION ANGLE (CALCULATED)	0.05°
TORSIONAL STIFFNESS (KNm/RAD)	69
MASS (KG)	0.09

ATTENTION: RED WIRE MUST BE CONNECTED TO POSITIVE SUPPLY VOLTAGE AND BLACK TO GROUND. OTHERWISE CIRCUIT MAY GET DAMAGED!

* WHEN PWR SUPPLY IS 4.5V, OUTPUT WILL BE $2.25 \pm 1.75V$

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

SUNRISE INSTRUMENTS
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SINGLE AXIS TORQUE LOADCELL
D53MM, 60 Nm

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M2210E1	REV. C
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