



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) NOMINAL	$2.5 \pm 2$ *
POWER SUPPLY (V)	4.5 TO 5V
BRIDGE RESISTANCE ( $\Omega$ ) NOMINAL	350
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ( $^{\circ}\text{C}$ )	-20 TO +100
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	350
RADIAL FORCE FOR CROSSTALK (N)	350
BENDING MOMENT FOR CROSSTALK (Nm)	17
TORSION ANGLE (CALCULATED)	$0.05^{\circ}$
TORSIONAL STIFFNESS (KNm/RAD)	57
BENDING STIFFNESS (KNm/RAD)	15
MASS (KG)	0.16

DRAWING IN THIRD ANGLE PROJECTION

### WIRING CODE

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

**SUNRISE INSTRUMENTS**

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SINGLE AXIS TORQUE LOADCELL  
D70MM, 50Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2210C13

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