



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
DIFFERENTIAL OUTPUT @ F.S.	$>0.4 * VDD$
POWER SUPPLY VDD AT CALIBRATION (V)	4.55
BRIDGE RESISTANCE ( $\Omega$ ) NOMINAL	1050
NON-LINEARITY	*
HYSTERESIS (%F.S.)	*
UNCERTAINTY FROM FULL CYCLE (%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)	25
TORSION ANGLE (CALCULATED)	$0.05^\circ$
TORSIONAL STIFFNESS (KNm/RAD)	80
MASS (KG)	0.082

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

### WIRING CODE

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

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SINGLE AXIS TORQUE LOADCELL  
D53MM, 60 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2210L

REV.  
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