



DRAWING IN THIRD ANGLE PROJECTION

NOTE: THE BENDING CAPACITY IS 50Nm

**SPECIFICATIONS**

CAPACITY (Nm)	50
OVERLOAD CAPACITY (%F.S.)	300
DIFFERENTIAL OUTPUT @ F.S. (V)	2.5±2 *
POWER SUPPLY (V)	4.5-5V, 25MA
BRIDGE RESISTANCE (Ω) NOMINAL	350
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°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°
TORSIONAL STIFFNESS (KNm/RAD)	58
BENDING STIFFNESS (KNm/RAD)	20
MASS (KG)	0.26

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

\* WHEN POWER SUPPLY IS 4.5V, OUTPUT WILL BE 2.25±1.75V

**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  
D75MM, 50 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2212R2

REV.  
0.1