



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

DRAWING IN THIRD ANGLE PROJECTION

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±1.75V

**WIRING CODE**

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

**SPECIFICATIONS**

CAPACITY (Nm)	150
OVERLOAD CAPACITY (%F.S.)	250
OUTPUT @ F.S. (V) NOMINAL	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 +85
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	500
RADIAL FORCE FOR CROSSTALK (N)	500
BENDING MOMENT FOR CROSSTALK (Nm)	50
TORSION ANGLE (CALCULATED)	0.03°
TORSIONAL STIFFNESS (KNM/RAD)	250
MASS (KG)	0.20

**SUNRISE INSTRUMENTS**

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

SINGLE AXIS TORQUE LOADCELL  
D104MM, 150 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2210R

REV.  
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