



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

| SPECIFICATIONS                    |             |
|-----------------------------------|-------------|
| CAPACITY (Nm)                     | 40          |
| OVERLOAD CAPACITY (%F.S.)         | 300         |
| DIFFERENTIAL OUTPUT @ F.S. (V)    | 2.5±2       |
| POWER SUPPLY (V)                  | 5V          |
| 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)     | 150         |
| RADIAL FORCE FOR CROSSTALK (N)    | 250         |
| BENDING MOMENT FOR CROSSTALK (Nm) | 15          |
| TORSION ANGLE (CALCULATED)        | 0.04°       |
| TORSIONAL STIFFNESS (KNm/RAD)     | 57          |
| BENDING STIFFNESS (KNm/RAD)       | 14          |
| MASS (KG)                         | 0.22        |

FULLY SEAL TO PREVENT OIL LEAKAGE

DRAWING IN THIRD ANGLE PROJECTION

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

**SUNRISE INSTRUMENTS**  
www.srisensor.com

SINGLE AXIS TORQUE LOADCELL  
D90MM, 40 Nm

|  |         |             |
|--|---------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MM | M2212S4 | REV.<br>0.2 |
|--|---------|-------------|