



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

SPECIFICATIONS

| | |
|------------------------------------|--------------|
| CAPACITY (Nm) | 100 |
| OVERLOAD CAPACITY (%F.S.) | 250 |
| OUTPUT @ F.S. (RATIOMETRIC OUTPUT) | 2.5±2V * |
| POWER SUPPLY (TYPICAL) | 4.5-5V, 25mA |
| BRIDGE RESISTANCE (Ω) NOMINAL | 1050 |
| 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) | 20 |
| TORSION ANGLE (CALCULATED) | 0.05° |
| TORSIONAL STIFFNESS (KNm/RAD) | 69 |
| MASS (KG) | 0.08 |

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 |

SUNRISE INSTRUMENTS

www.srisensor.com

SINGLE AXIS TORQUE LOADCELL
D53MM, 100 Nm

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M2210E2

REV.
0.1