



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) | 230 |
| OVERLOAD CAPACITY (%F.S.) | 250 |
| OUTPUT @ F.S. (V) NOMINAL | 2.5±2 * |
| POWER SUPPLY (V) | 4.5 TO 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) | 600 |
| RADIAL FORCE FOR CROSSTALK (N) | 1000 |
| BENDING MOMENT FOR CROSSTALK (Nm) | 110 |
| TORSION ANGLE (CALCULATED) | 0.04° |
| TORSIONAL STIFFNESS (KNm/RAD) | 286 |
| BENDING STIFFNESS (KNm/RAD) | 35 ** |
| MASS (KG) | 0.14 |

SUNRISE INSTRUMENTS

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SINGLE AXIS TORQUE LOADCELL
D103MM, 230 Nm

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M2210T1

REV.
0.1