



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

SPECIFICATIONS

CAPACITY (Nm)	250
OVERLOAD CAPACITY (%F.S.)	300
OUTPUT @ F.S. (V) NOMINAL	2.5±2
POWER SUPPLY VDD AT CALIBRATION (V)	5.0
BRIDGE RESISTANCE (Ω) NOMINAL	350
NON-LINEARITY	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)	70
MASS (KG)	0.69

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

WIRING CODE

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

SUNRISE INSTRUMENTS

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SINGLE AXIS TORQUE LOADCELL
D118MM, 250 Nm

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M2211J

REV.
0.2