



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

SPECIFICATIONS

CAPACITY (Nm)	180
OVERLOAD CAPACITY (%F.S.)	150
OUTPUT @ F.S. (mv/V)	2 \pm 0.2
POWER SUPPLY (V)	3.5-12
BRIDGE RESISTANCE (Ω) NOMINAL	1050
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^{\circ}$ C)	-20 TO +85
CROSSTALK (%F.S.)	1.0
AXIAL FORCE FOR CROSSTALK (N)	200
RADIAL FORCE FOR CROSSTALK (N)	400
BENDING MOMENT FOR CROSSTALK (Nm)	20
BENDING STIFFNESS (KNM/RAD)	23
TORSION ANGLE (CALCULATED)	0.05 $^{\circ}$
TORSIONAL STIFFNESS (KNM/RAD)	114
MASS (KG)	0.11

TEMPERATURE DRIFT: 0.5% FS PER 10 $^{\circ}$ C
 FREE AIR RESONANT FREQUENCY: > 1000 HZ
 ZERO SHIFT < 5% FS
 1,000,000 CYCLES, MZ \pm 60NM
 PEAK, 2Hz
 FATIGUE LIFE AFTER ZERO ADJUSTMENT
 5,000,000 CYCLES, MZ \pm 60NM
 PEAK, 2Hz
 5,000,000 CYCLES, FZ 60N PEAK, 2Hz

DRAWING IN THIRD
ANGLE PROJECTION

WIRING CODE

	COLOR	FUNCTION
1	RED	+EX
2	WHITE	-SIG
3	GREEN	+SIG
4	BLACK	GND
5	SHIELDING WIRE	

SUNRISE INSTRUMENTS

www.srisensor.com

SINGLE AXIS TORQUE LOADCELL
 D70MM, 180 Nm

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MM

M2214A

REV.
 B