



POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE UPPER PORTION PER COORDINATE SYSTEM

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED  
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY (N/Nm)</b>	80	80	80	1.2	1.2	1.2
<b>OUTPUT (mV/V)</b>	COUPLED					
<b>BRIDGE RES. (<math>\Omega</math>)</b>	350	350	350	350	350	350

**WIRING CODE - TWISTED PAIR**

FUNC	CHN1	CHN2	CHN3	CHN4	CHN5	CHN6
+SIG	WHITE (BROWN)	ORG (BROWN)	BLUE (BROWN)	YEL (BROWN)	RED (BROWN)	WHITE (BLACK)
-SIG	BROWN (WHITE)	BROWN (ORG)	BROWN (BLUE)	BROWN (YEL)	BROWN (RED)	BLACK (WHITE)
+EXC	RED (BLACK)			BLACK (RED)		
-EXC	YELLOW (BLACK)			BLACK (YELLOW)		
"YEL"="YELLOW", "ORG"="ORANGE", "WHITE (BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR						

**SPECIFICATIONS**

EXCITATION MAX. (V)	5
OVERLOAD CAPACITY (%F.S.)	300
CROSSTALK (%F.S.)	3.0
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	0.038

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SIX AXIS CIRCULAR LOAD CELL, COUPLED  
8MM THICK, F80N

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M4312B

REV.  
0.4