



POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LAODCELL, PER COORDINATE SYSTEM AS SHOWN

CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

RESOLUTION BETTER THAN 0.5N
 CALCULATED STIFFNESS FROM STRAIN GAUGE BEAM AS FOLLOWS
 FX,FY: 40KN/MM, FZ: 70KN/MM
 MX,MY: 22KNM/RAD (0.05DEG@20NM), MZ: 122KNM/RAD (0.01DEG@20NM)
 OVERALL STIFFNESS (INCLUDING STRAIN GAUGE BEAM, MOUNTING SCREWS,
 MOUNTING PLATES FOR TESTING) WILL BE LARGER, AND SHOULD BE LESS THAN
 2 TIMES OF THE CALCULATED VALUES.

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	600.0	600.0	600.0	20.0	20.0	20
OUTPUT (mV/V)	COUPLED LOW VOLTAGE OUTPUT					
BRIDGE RES. (Ω)	700	1400	700	1400	700	1400

SPECIFICATIONS	
EXCITATION MAX. (V)	7
OVERLOAD CAPACITY (%F.S.) - FZ	400
OVERLOAD CAPACITY (%F.S.) - FX,FY,FZ	200
FREE AIR RESONANT FREQ. (HZ.)	2500
CROSSTALK (%F.S.)	3.0
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	0.29

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)					
-EXC	BLACK(RED)					
"YEL"="YELLOW", "ORG"="ORANGE", "WHITE(BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR						

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
 EXTRA THIN, D73MM F600N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3564K1	REV. 0.5
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