



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

TO ENSURE STABLE OUTPUT, MATING PLATES WITH MINIMUM 3MM THICK (STELL OR ALUMINUM) ON BOTH SIDES ARE REQUIRED

5 SINGLE WIRES AWG30  
NO SHIELD, NO JACKET  
TO CONNECTOR

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY (N/Nm)</b>	500.0	500.0	500.0	9.0	9.0	9.0
<b>OUTPUT (mV/V)</b>	COUPLED OUTPUT					
<b>BRIDGE RES. (Ω)</b>	350	350	350	350	350	700

SPECIFICATIONS	
EXCITATION MAX. (V)	7
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	2900
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	0.075

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**  
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SIX AXIS CIRCULAR LOAD CELL  
COUPLED, D35MM F500N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4312H	REV. 0.5
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