



5 SINGLE WIRES AWG30
NO SHIELD, NO JACKET
TO CONNECTOR

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

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

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
COUPLED, D35MM F500N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4312H1

REV.
0.1