



POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

THERE ARE 12 CHANNELS, AND THE OUTPUTS ARE DECOUPLED BY MULTIPLYING A DECOUPLED MATRIX SUPPLIED

IP PROTECTION: IP68 (10M)

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	145800	145800	291600	13500	13500	10800
OUTPUT (mV/V)	COUPLED OUTPUT					
BRIDGE RES. (Ω)	350	350	350	350	350	700

SPECIFICATIONS	
EXCITATION MAX. (V)	15
OVERLOAD CAPACITY (%F.S.)	150
FREE AIR RESONANT FREQ. (HZ.)	5200
CROSSTALK (%F.S.)	1.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE ($^{\circ}$ C)	-40 TO +100
MASS (KG)	7.4

WIRING CODE						
FUNC	CHN1&7	CHN2&8	CHN3&9	CHN4&10	CHN5&11	CHN6&12
+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	ORG (BLACK)	BLACK (ORG)	BLUE (BLACK)	BLACK (BLUE)	RED (BLACK)	BLACK (RED)
-EXC	YELLOW (BLACK)			BLACK (YELLOW)		
"YEL"="YELLOW", "ORG"="ORANGE", "WHITE (BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR						

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
12 CHNS, COUPLED, 135MM F145800N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3993P	REV. B
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