



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

ALL CHANNELS ARE STRUCTURALLY DECOUPLED. NO DECOUPLING ALGORITHM REQUIRED. STANDARD DATA ACQUISITION SYSTEM CAN BE USED

IP PROTECTION: IP60. USE PART # "M3965P" FOR IP68 (10M) VERSION

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	145800	145800	291600	13500	13500	10800
OUTPUT (mV/V)	2.4	2.4	0.8	2.1	2.1	3.2
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.)	5.0
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +100
MASS (KG)	7.4

WIRING CODE						
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	ORG (BLACK)	BLACK (ORG)	BLUE (BLACK)	BLACK (BLUE)	RED (BLACK)	BLACK (RED)
-EXC	YELLOW (BLACK)			BLACK (YELLOW)		
"YEL"="YELLOW", "ORG"="ORANGE"						

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
D135MM F145800N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3965P	REV. B
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