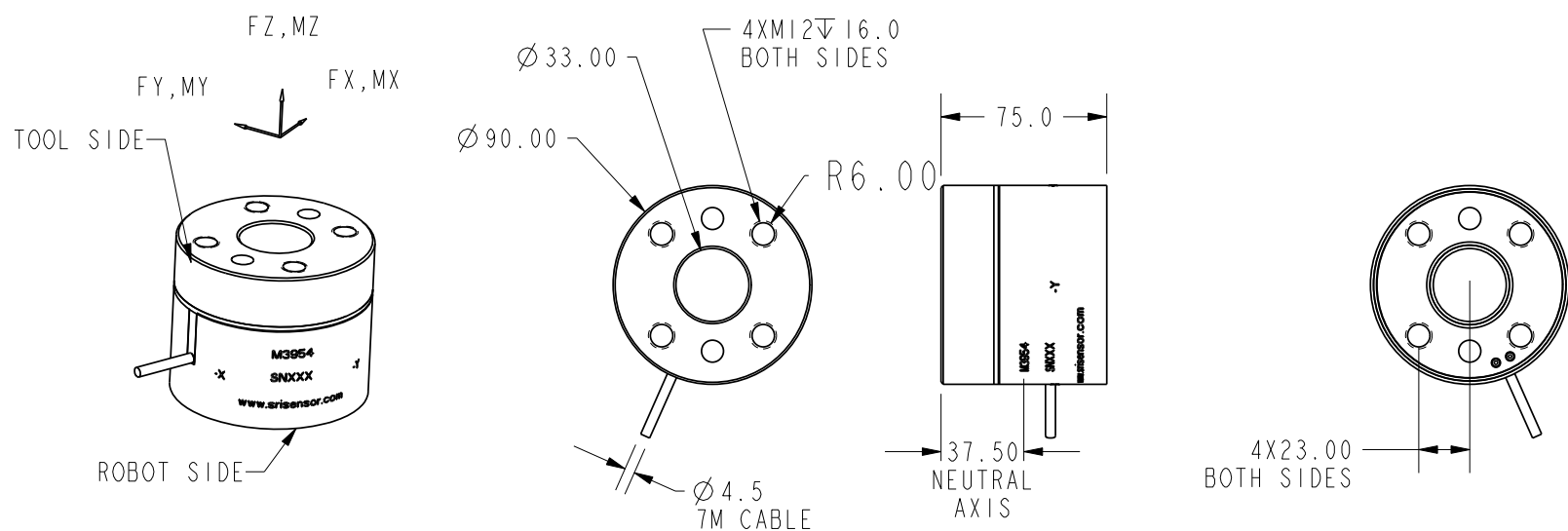




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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

IP PROTECTION: IP60. USE PART # "M3955P" FOR IP68 (10M) VERSION

SPECIFICATIONS	
EXCITATION MAX. (V)	15
OVERLOAD CAPACITY (%F.S.)	150
FREE AIR RESONANT FREQ. (HZ.)	5000
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)	4.7

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	48600	48600	97200	3000	3000	2400
OUTPUT (mV/V)	2.0	2.0	0.8	2.1	2.1	2.5
BRIDGE RES. (Ω)	350	350	350	350	350	700

WIRING CODE - TWISTED PAIR

FUNC	FX	FY	FZ	MX	MY	MZ
+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

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SIX AXIS CIRCULAR LOAD CELL
D90MM F48600N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3954

REV.
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