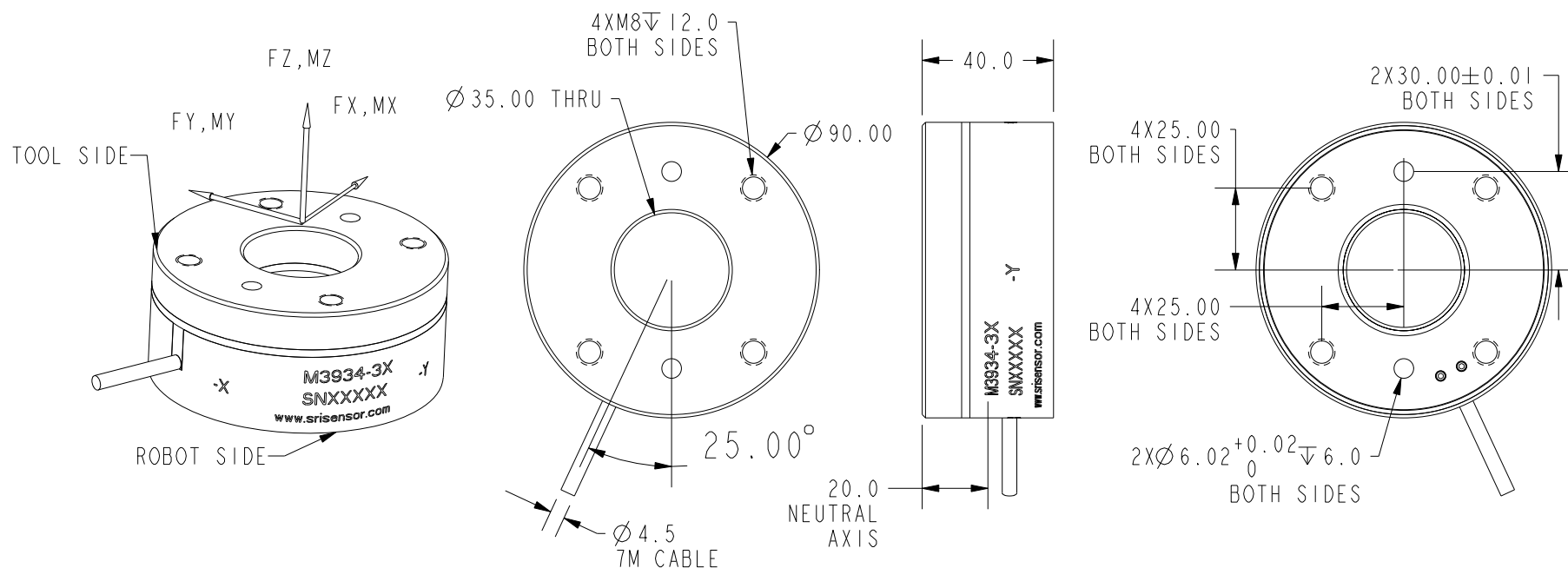




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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

IP PROTECTION: IP60. USE PART # "M3934P" FOR IP68 (10M) VERSION

SPECIFICATIONS	
EXCITATION MAX. (V)	15
OVERLOAD CAPACITY (%F.S.)	150
FREE AIR RESONANT FREQ. (HZ.)	3400
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)	0.99

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	5400	5400	10800	NA	NA	NA
OUTPUT (mV/V)	3.0	3.0	0.65	NA	NA	NA
BRIDGE RES. (Ω)	700	700	700	NA	NA	NA

WIRING CODE - TWISTED PAIR WIRES

Fx		Fy		Fz	
COLOR	FUNCTION	COLOR	FUNCTION	COLOR	FUNCTION
RED(BLACK)	+EXC.	RED(BROWN)	+EXC.	ORANGE(BLACK)	+EXC.
BLACK(RED)	-EXC.	BROWN(RED)	-EXC.	BLACK(ORANGE)	-EXC.
YELLOW(BROWN)	+SIG.	BLUE(BROWN)	+SIG.	YELLOW(BLACK)	+SIG.
BROWN(YELLOW)	-SIG.	BROWN(BLUE)	-SIG.	BLACK(YELLOW)	-SIG.

SUNRISE INSTRUMENTS

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THREE AXIS CIRCULAR LOAD CELL
D90MM F5400N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3934-3X

REV.
A