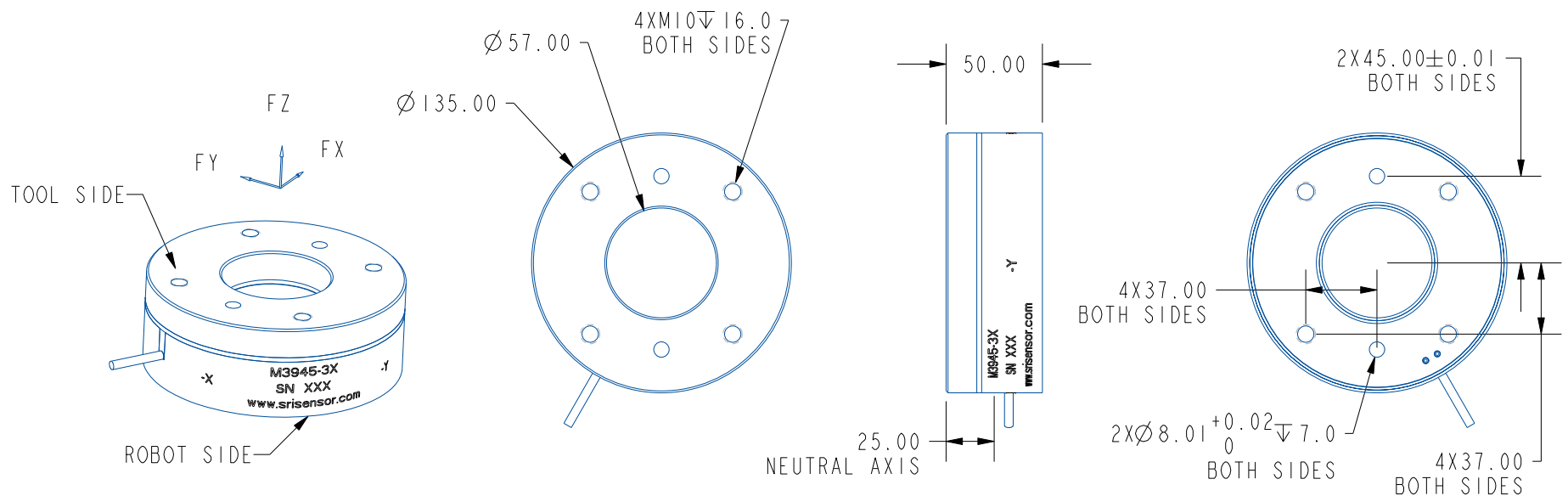




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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

IP PROTECTION: IP60. USE PART # "M3945P-3X" FOR IP68 (IOM) VERSION

SPECIFICATIONS	
EXCITATION MAX. (V)	15
OVERLOAD CAPACITY (%F.S.)	150
FREE AIR RESONANT FREQ. (HZ.)	4100
CROSSTALK (%F.S.)	5
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +100
IP PROTECTION	IP60
MASS (KG)	2.9

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	16200	16200	32400	NA	NA	NA
OUTPUT (mV/V)	2.0	2.0	0.8	NA	NA	NA
BRIDGE RES. (Ω)	350	350	350	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.

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THREE AXIS CIRCULAR LOAD CELL
DI35MM FI6200N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3945-3X

REV.
A