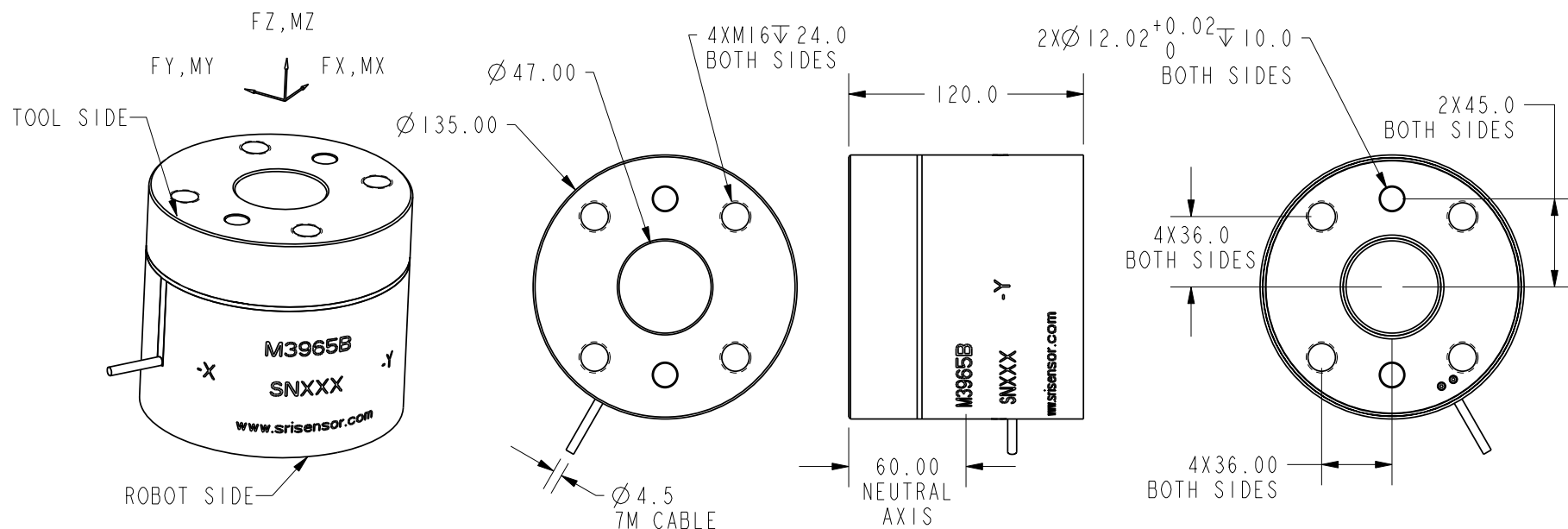




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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

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

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

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	100000	100000	250000	20000	20000	15000
OUTPUT (mV/V)	1.1	1.1	0.5	2.5	2.5	3.2
BRIDGE RES. (Ω)	350	350	350	350	350	700

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

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SIX AXIS CIRCULAR LOAD CELL
D135MM F100KN

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3965B

REV.
A