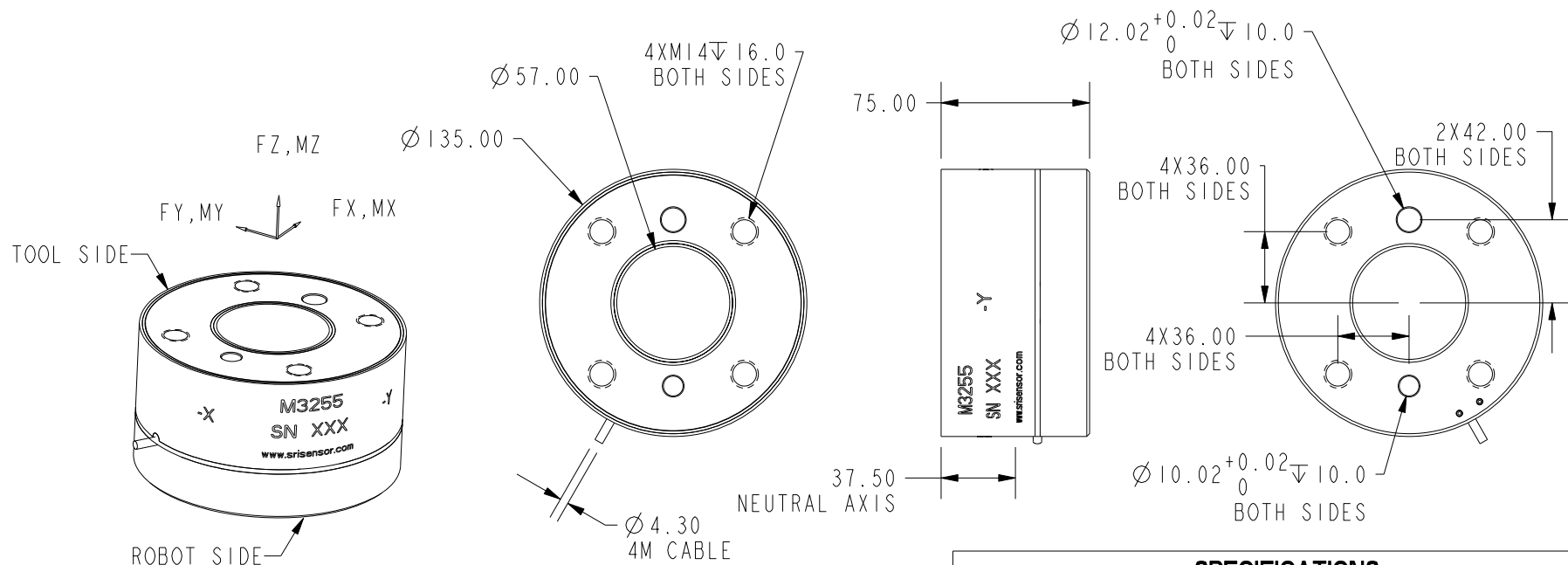




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	48600	48600	97200	4500	4500	3600
OUTPUT (mV/V)	2.0	2.0	0.8	2.1	2.1	2.5
BRIDGE RES. (Ω)	350	350	700	350	350	700

WIRING CODE

Fx/Mx (SOLID)		Fy/My (PURPLE STRIPE)		Fz/Mz (WHITE STRIPE)	
COLOR	FUNCTION	COLOR	FUNCTION	COLOR	FUNCTION
RED/ORANGE	+EXC.	RED/ORANGE	+EXC.	RED/ORANGE	+EXC.
YELLOW/GRN	+SIG.	YELLOW/GRN	+SIG.	YELLOW/GRN	+SIG.
BLACK(SHARED)	-EXC.	BLACK(SHARED)	-EXC.	BLACK(SHARED)	-EXC.
BLUE/BROWN	-SIG.	BLUE/BROWN	-SIG.	BLUE/BROWN	-SIG.

SPECIFICATIONS

EXCITATION MAX. (V)	15
OVERLOAD CAPACITY (%F.S.)	150
FREE AIR RESONANT FREQ. (HZ.)	5000
CROSSTALK - NO ADJUSTMENT (%F.S.)	5
CROSSTALK - WITH ADJUSTMENT (%F.S.)	2
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE ($^{\circ}$ C)	-40 TO +100
COMPENSATED TEMP. RANGE ($^{\circ}$ C)	10 TO 70
MASS (KG)	4.5

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
D135MM F48600N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3255

REV.
A