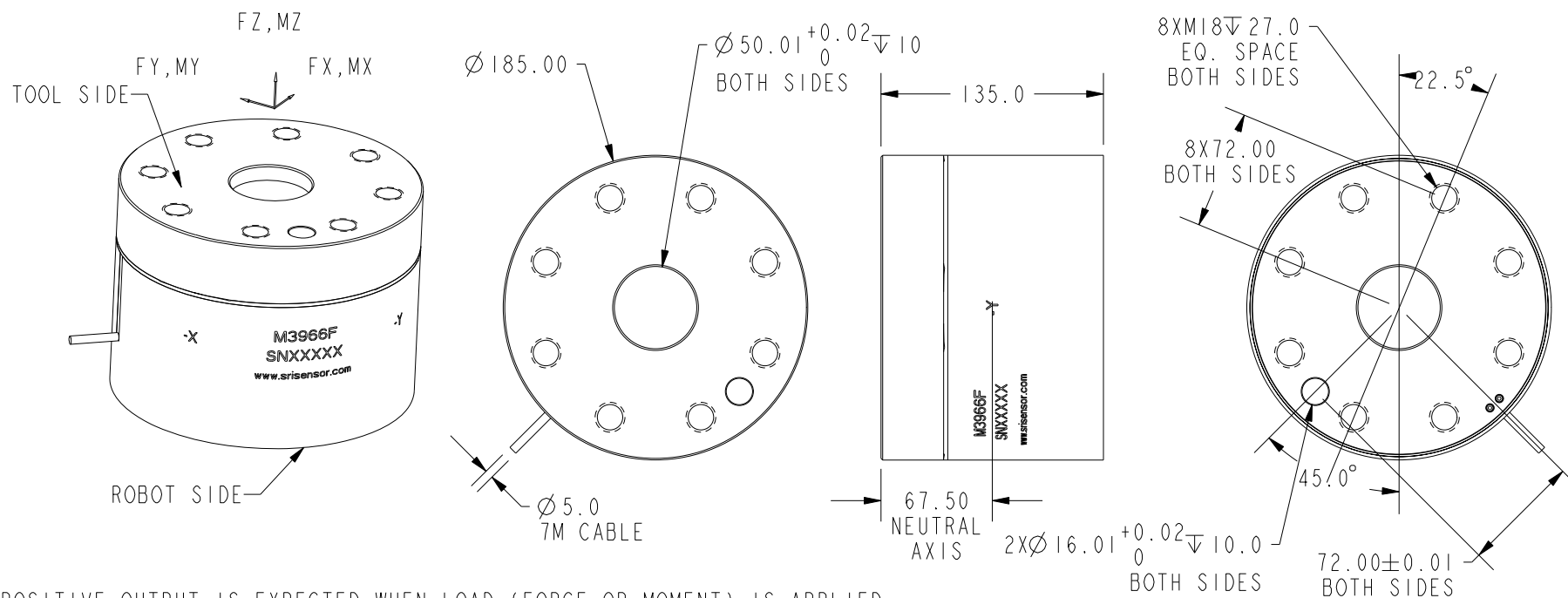




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

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)	17.8

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
 D185MM F1000KN

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MM

M3966F

REV.
 0.1

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (KN/KNm)	400kN	400kN	1000kN	40kNm	40kNm	20kNm
OUTPUT (mV/V)	1.8	1.8	1.0	1.7	1.7	1.4
BRIDGE RES. (Ω)	700	700	700	700	700	1400

LEMO PIN ASSIGNMENT - TWISTED PAIR COLOR CODES

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1	+FX WT(BN)	8	-MX BN(YL)	15	+E2 OG(BK)	22	-E5 BK(RD)
2	-FX BN(WT)	9	+MY RD(BN)	16	-E2 BK(OG)	23	+E6 GN(BK)
3	+FY OG(BN)	10	-MY BN(RD)	17	+E3 BL(BK)	24	-E6 BK(GN)
4	-FY BN(OG)	11	+MZ GN(BN)	18	-E3 BK(BL)	25	NA
5	+FZ BL(BN)	12	-MZ BN(GN)	19	+E4 YL(BK)	26	NA
6	-FZ BN(BL)	13	+E1 WT(BK)	20	-E4 BK(YL)	Shield	
7	+MX YL(BN)	14	-E1 BK(WT)	21	+E5 RD(BK)		

WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK
 GN=GREEN