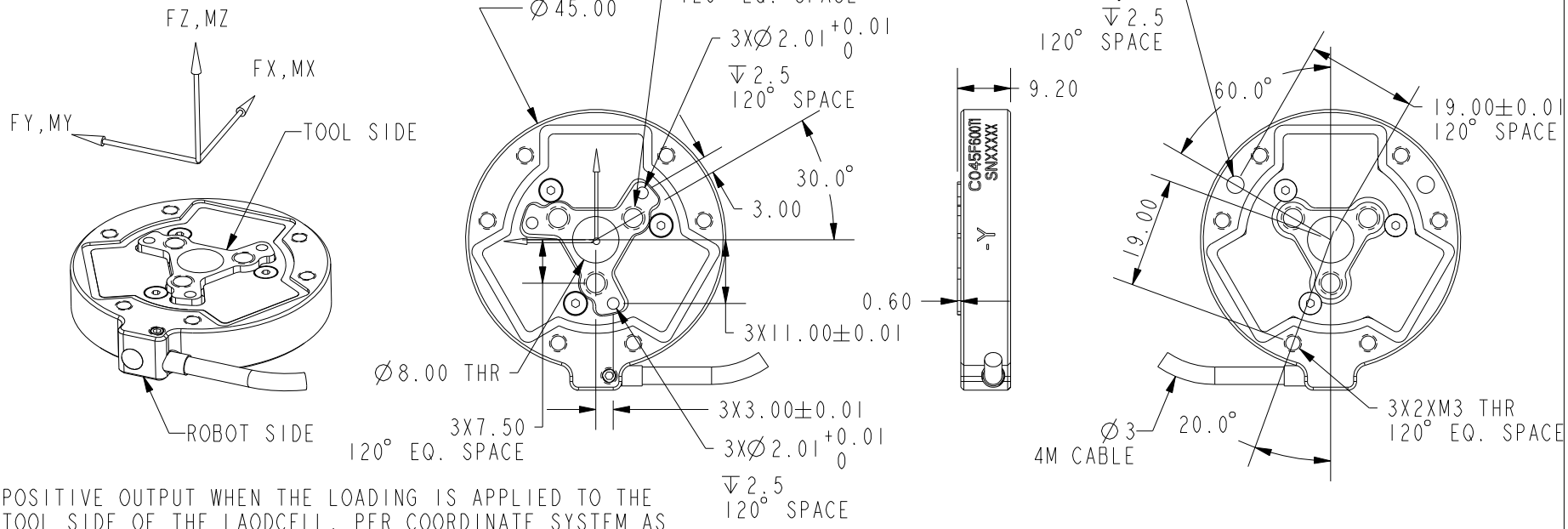


POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LAODCELL, PER COORDINATE SYSTEM AS SHOWN

CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	600.0	600.0	1000.0	13.5	13.5	13.5
OUTPUT (mV/V)	COUPLED OUTPUT					
BRIDGE RES. (Ω)	700	1400	700	1400	700	1400

PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION)
NOISE IS MEASURED AT SAMPLING RATE 1000HZ

PEAK-TO-PEAK NOISE	0.74N	0.56N	0.27N	0.003Nm	0.004Nm	0.013Nm
EFFECTIVE RESOLUTION	0.11N	0.085N	0.041N	0.0004Nm	0.0006Nm	0.002Nm

WIRING CODE (14-CONDUCTOR CABLE)

NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION
1	WHITE	CH1+	6	LIGHT YELLOW	CH3-	11	PURPLE	CH6+
2	BROWN	CH1-	7	GREEN	CH4+	12	LIGHT PURPLE	CH6-
3	ORANGE	CH2+	8	GRAY	CH4-	13	RED	+E
4	LIGHT ORANGE	CH2-	9	BULE	CH5+	14	BLACK	-E
5	YELLOW	CH3+	10	LIGHT BLUE	CH5-			

SHIELD TO SENSOR BODY

SPECIFICATIONS

EXCITATION MAX. (V)	7
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	2900
CROSSTALK (%F.S.)	3.0
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	0.06

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
EXTRA THIN, D45MM F600N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	C045F600TI	REV. A