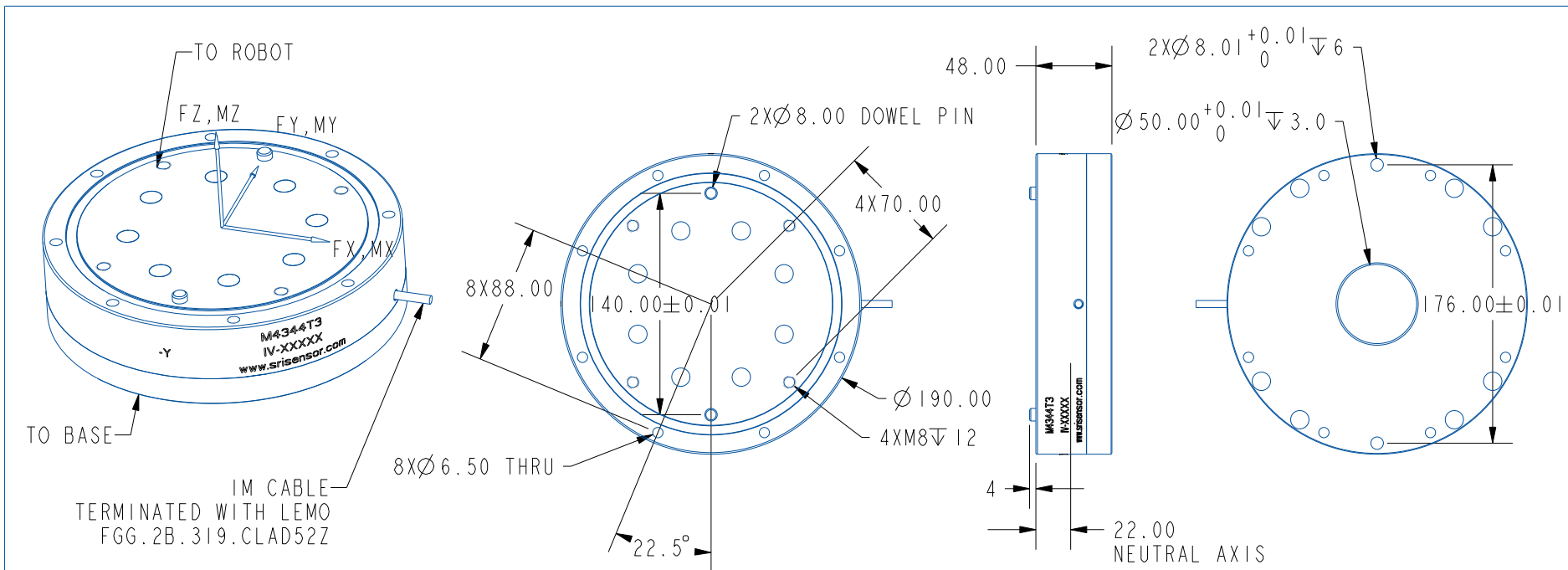




POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE ROBOT SIDE
PER COORDINATE SYSTEM AS SHOWN

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED
A 6X8 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	1600	1600	1600	450	450	450
OUTPUT (mv/V)	LOW VOLTAGE COUPLED OUTPUT					

LEMO PIN ASSIGNMENT - TWISTED PAIR COLOR CODES

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1	+CH1 WT(BN)	7	+CH4 YL(BN)	13	+CH7 OG(BK)
2	-CH1 BN(WT)	8	-CH4 BN(YL)	14	-CH7 BK(OG)
3	+CH2 OG(BN)	9	+CH5 RD(BN)	15	+CH8 BL(BK)
4	-CH2 BN(OG)	10	-CH5 BN(RD)	16	-CH8 BK(BL)
5	+CH3 BL(BN)	11	+CH6 WT(BK)	17	NA
6	+CH3 BL(BN)	12	-CH6 BK(WT)	NA	NA
18	+EX RD(BK)+BK(RD)	19	GND YL(BK)+BK(YL)		

WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK
WT(BN)=WHITE WIRE IN WHITE & BROWN PAIR

SPECIFICATIONS

POWER SUPPLY (V)	5V
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	3500
CROSSTALK (%F.S.)	2.5
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)	6.2

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS ROBOT BASE LOAD CELL
DI90MM F1600N, ANALOG OUTPUT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4344T3

REV.
B