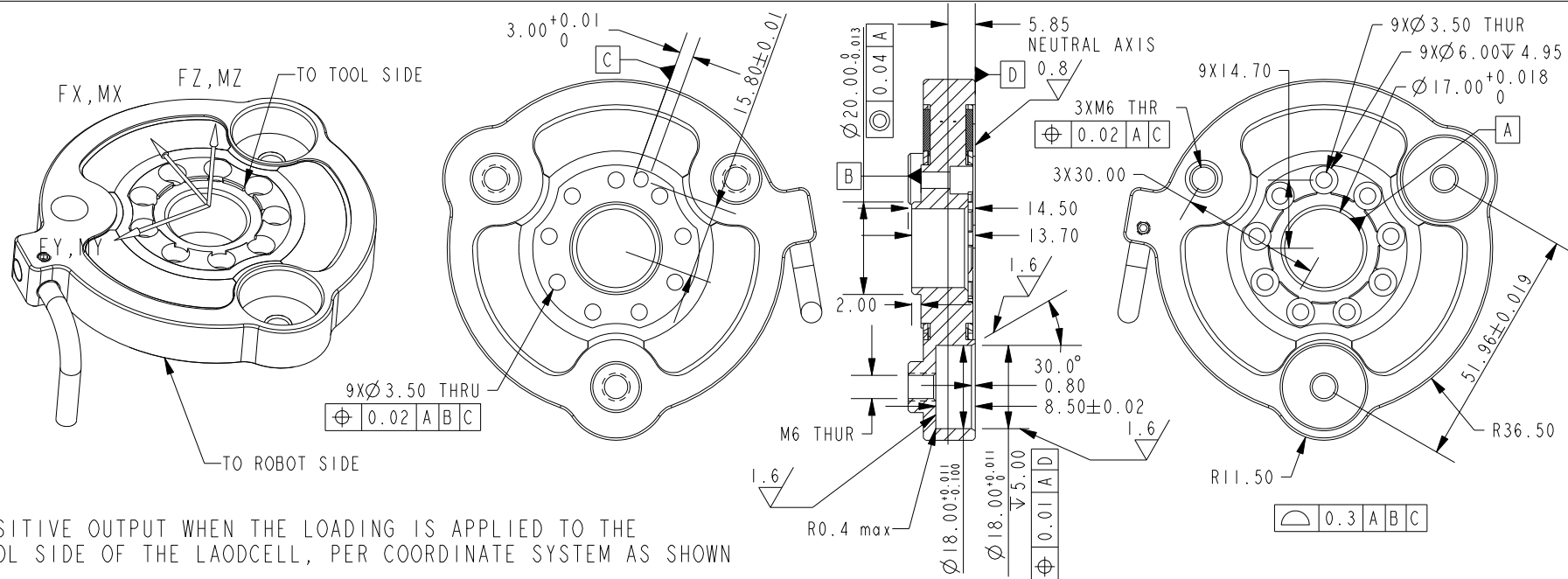




POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LAODCELL, PER COORDINATE SYSTEM AS SHOWN

CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

RESOLUTION BETTER THAN 0.5N

CALCULATED STIFFNESS FROM STRAIN GAUGE BEAM AS FOLLOWS

FX,FY:40KN/MM, FZ: 70KN/MM

MX,MY: 22KNM/RAD (0.05DEG@20NM), MZ: 122KNM/RAD (0.01DEG@20NM)

OVERALL STIFFNESS (INCLUDING STRAIN GAUGE BEAM, MOUNTING SCREWS, MOUNTING PLATES FOR TESTING) WILL BE LARGER, AND SHOULD BE LESS THAN 2 TIMES OF THE CALCULATED VALUES.

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	600.0	600.0	600.0	20.0	20.0	20
OUTPUT (mV/V)	COUPLED LOW VOLTAGE OUTPUT					
BRIDGE RES. (Ω)	700	1400	700	1400	700	1400

WIRING CODE - TWISTED PAIR

FUNC	CHN1	CHN2	CHN3	CHN4	CHN5	CHN6	CHN7	CHN8	CHN9
+SIG	WT(BN)	OG(BN)	BL(BN)	YL(BN)	RD(BN)	WT(BK)	OG(BK)	BL(BK)	YL(BK)
-SIG	BN(WT)	BN(OG)	BN(BL)	BN(YL)	BN(RD)	BK(WT)	BK(OG)	BK(BL)	BK(YL)
+EXC	RD(BK)								
-EXC	BK(RD)								

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

SPECIFICATIONS

EXCITATION MAX. (V)	7
OVERLOAD CAPACITY (%F.S.) - FZ	400
OVERLOAD CAPACITY (%F.S.) - FX,FY,FZ	200
FREE AIR RESONANT FREQ. (HZ.)	2500
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)	0.29

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
EXTRA THIN, D73MM F600N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3564K2

REV.
A