



3X M3 $\nabla$  5.5  
DO NOT EXCEED 6MM!  
120° EQ. SPACE  
BOTH SIDES

2X Ø 3.01  $\begin{smallmatrix} +0.01 \\ 0 \end{smallmatrix}$   $\nabla$  3  
BOTH SIDES

3X 6.50  
BOTH SIDES

10.00  
NEUTRAL AXIS

MOUNTING ROBOT  
ARM TO THIS SIDE

OUTPUT IS POSITIVE WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE AS SHOWN. A 6X6 MATRIX IS PROVIDED FOR DECOUPLING

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY (N/Nm)</b>	40	40	40	1.5	1.5	1.5
<b>OUTPUT (mV/V)</b>	0.9	0.9	0.6	0.9	0.9	0.9
<b>BRIDGE RES. (<math>\Omega</math>)</b>	350	350	700	350	350	700

SPECIFICATIONS	
EXCITATION MAX. (V)	10
OVERLOAD CAPACITY (%F.S.)	600
FREE AIR RESONANT FREQ. (HZ.)	750
CROSSTALK - WITH ADJUSTMENT (%F.S.)	2.0
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	0.05

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.

**SUNRISE INSTRUMENTS**  
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SIX AXIS CIRCULAR LOAD CELL  
D30MM F40N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3812A	REV. 0.2
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