



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

THE OUTPUTS ARE STRUCTURALLY DECOUPLED

	F _x	F _y	F _z	M _x	M _y	M _z
CAPACITY (N)	6000	6000	8000	NA	NA	NA
OUTPUT (mV/V)	1.2	1.2	1.2	NA	NA	NA
BRIDGE RES. (Ω)	700	700	700	NA	NA	NA

WIRING CODE - TWISTED PAIR WIRES

F _x		F _y		F _z	
COLOR	FUNCTION	COLOR	FUNCTION	COLOR	FUNCTION
RED(BLACK)	+EXC.	RED(BROWN)	+EXC.	ORANGE(BLACK)	+EXC.
BLACK(RED)	-EXC.	BROWN(RED)	-EXC.	BLACK(ORANGE)	-EXC.
YELLOW(BROWN)	+SIG.	BLUE(BROWN)	+SIG.	YELLOW(BLACK)	+SIG.
BROWN(YELLOW)	-SIG.	BROWN(BLUE)	-SIG.	BLACK(YELLOW)	-SIG.

SPECIFICATIONS

EXCITATION MAX. (V)	5
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	4500
CROSSTALK (%F.S.)	2.5
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)	1.3

SUNRISE INSTRUMENTS

www.srisensor.com

THREE AXIS CIRCULAR LOAD CELL
D100MM FZ4000N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4325R1

REV.
A