



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

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

| | Fx | Fy | Fz | Mx | My | Mz |
|--|---------|------|------|-----|-----|-----|
| CAPACITY (N/Nm) | 3200 | 3200 | 6400 | 112 | 112 | 112 |
| OUTPUT (mV/V) | COUPLED | | | | | |
| BRIDGE RES. (Ω) | 350 | 350 | 350 | 350 | 350 | 350 |

WIRING CODE - TWISTED PAIR

| FUNC | CHN1 | CHN2 | CHN3 | CHN4 | CHN5 | CHN6 |
|--|---------------|------------|-------------|---------------|------------|--------------|
| +SIG | WHITE(BROWN) | ORG(BROWN) | BLUE(BROWN) | YEL(BROWN) | RED(BROWN) | WHITE(BLACK) |
| -SIG | BROWN(WHITE) | BROWN(ORG) | BROWN(BLUE) | BROWN(YEL) | BROWN(RED) | BLACK(WHITE) |
| +EXC | ORG(BLACK) | BLACK(ORG) | BLUE(BLACK) | BLACK(BLUE) | RED(BLACK) | BLACK(RED) |
| -EXC | YELLOW(BLACK) | | | BLACK(YELLOW) | | |
| "YEL"="YELLOW", "ORG"="ORANGE", "WHITE(BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR | | | | | | |

SPECIFICATIONS

| | |
|---|-------------|
| EXCITATION MAX. (V) | 5 |
| OVERLOAD CAPACITY (%F.S.) | 300 |
| FREE AIR RESONANT FREQ. (HZ.) | 5500 |
| CROSSTALK (%F.S.) | 2.0 |
| NON-LINEARITY (%F.S.) | 0.5 |
| HYSTERESIS (%F.S.) | 0.5 |
| OPERATING TEMP. RANGE ($^{\circ}$ C) | -40 TO +100 |
| COMPENSATED TEMP. RANGE ($^{\circ}$ C) | 10 TO 70 |
| MASS (KG) | 0.11 |

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL, COUPLED
D45MM F3200N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M3713D

REV.
A