



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 |
|--|---------|-----|-----|-----|-----|-----|
| CAPACITY (N/Nm) | 130 | 130 | 130 | 6.0 | 6.0 | 6.0 |
| OUTPUT (mV/V) | COUPLED | | | | | |
| BRIDGE RES. (Ω) | 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 ($^{\circ}$ C) | -40 TO +100 |
| COMPENSATED TEMP. RANGE ($^{\circ}$ C) | 10 TO 70 |
| MASS (KG) | 0.09 |

| 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 | | | | | | |

SUNRISE INSTRUMENTS
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SIX AXIS CIRCULAR LOAD CELL
 D45MM F130N

| | | |
|--|--------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3813C | REV. B |
|--|--------|-----------|