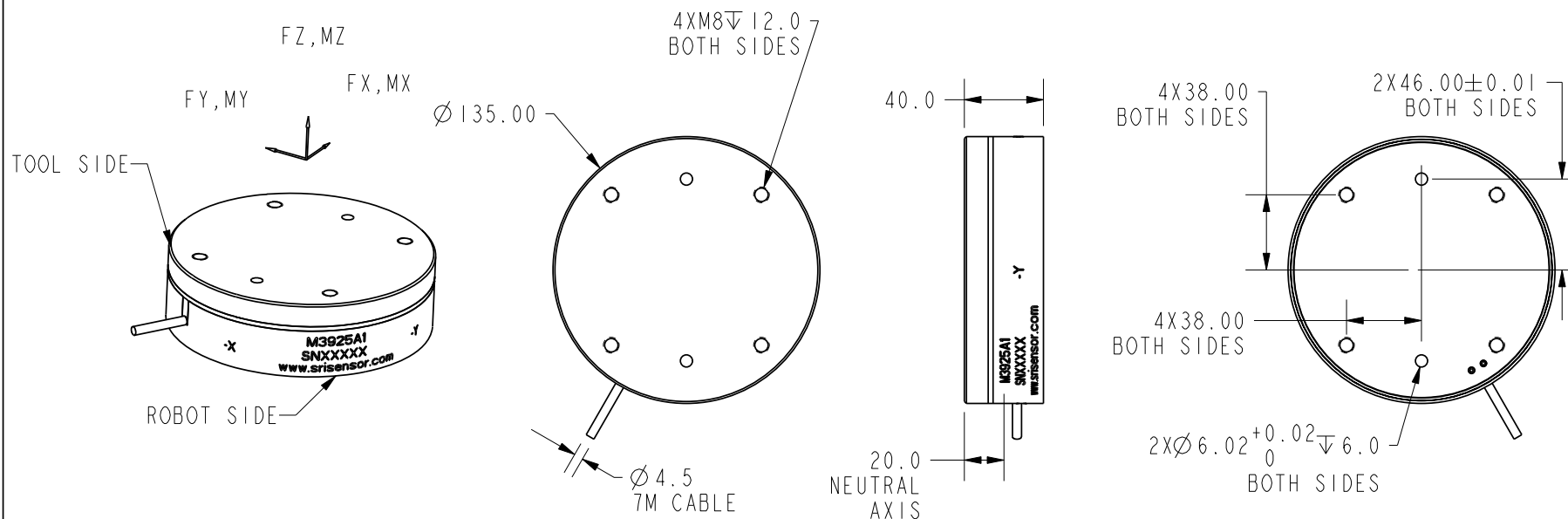




POSITIVE OUTPUT IS EXPECTED WHEN LOAD (FORCE OR MOMENT) IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

ALL CHANNELS ARE STRUCTURALLY DECOUPLED. NO DECOUPLING ALGORITHM REQUIRED. STANDARD DATA ACQUISITION SYSTEM CAN BE USED

IP PROTECTION: IP60. USE PART # "M3925AIP" FOR IP68 (10M) VERSION

|                        | Fx | Fy | Fz    | Mx | My | Mz    |
|------------------------|----|----|-------|----|----|-------|
| <b>CAPACITY (N/Nm)</b> | NA | NA | 2000N | NA | NA | 200NM |
| <b>OUTPUT (V)</b>      | NA | NA | ±8V   | NA | NA | ±8V   |

#### DIFFERENTIAL OUTPUT, COMMON MODE AT 0V

| WIRING CODE - TWISTED PAIR WIRES |          |              |          |
|----------------------------------|----------|--------------|----------|
| FZ                               |          | MZ           |          |
| COLOR                            | FUNCTION | COLOR        | FUNCTION |
| BLUE&BLACK + ORANGE(BLACK) - 24V |          |              |          |
| RED&BLACK + YELLOW&BLACK - GND   |          |              |          |
| BLUE(BROWN)                      | +FZ.     | WHITE(BLACK) | +MZ.     |
| BROWN(BLUE)                      | -FZ.     | BLACK(WHITE) | -MZ.     |

#### SPECIFICATIONS

|                               |             |
|-------------------------------|-------------|
| EXCITATION MAX. (V)           | 15          |
| OVERLOAD CAPACITY (%F.S.)     | 150         |
| FREE AIR RESONANT FREQ. (HZ.) | 3300        |
| CROSSTALK (%F.S.)             | 3.0         |
| NON-LINEARITY (%F.S.)         | 0.5         |
| HYSTERESIS (%F.S.)            | 0.5         |
| OPERATING TEMP. RANGE (°C)    | -40 TO +100 |
| MASS (KG)                     | 0.94        |

**SUNRISE INSTRUMENTS**  
[www.srisensor.com](http://www.srisensor.com)

TWO AXIS CIRCULAR LOAD CELL  
 DI35MM FZ & MZ

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN MM

M3925A1

REV.  
 B