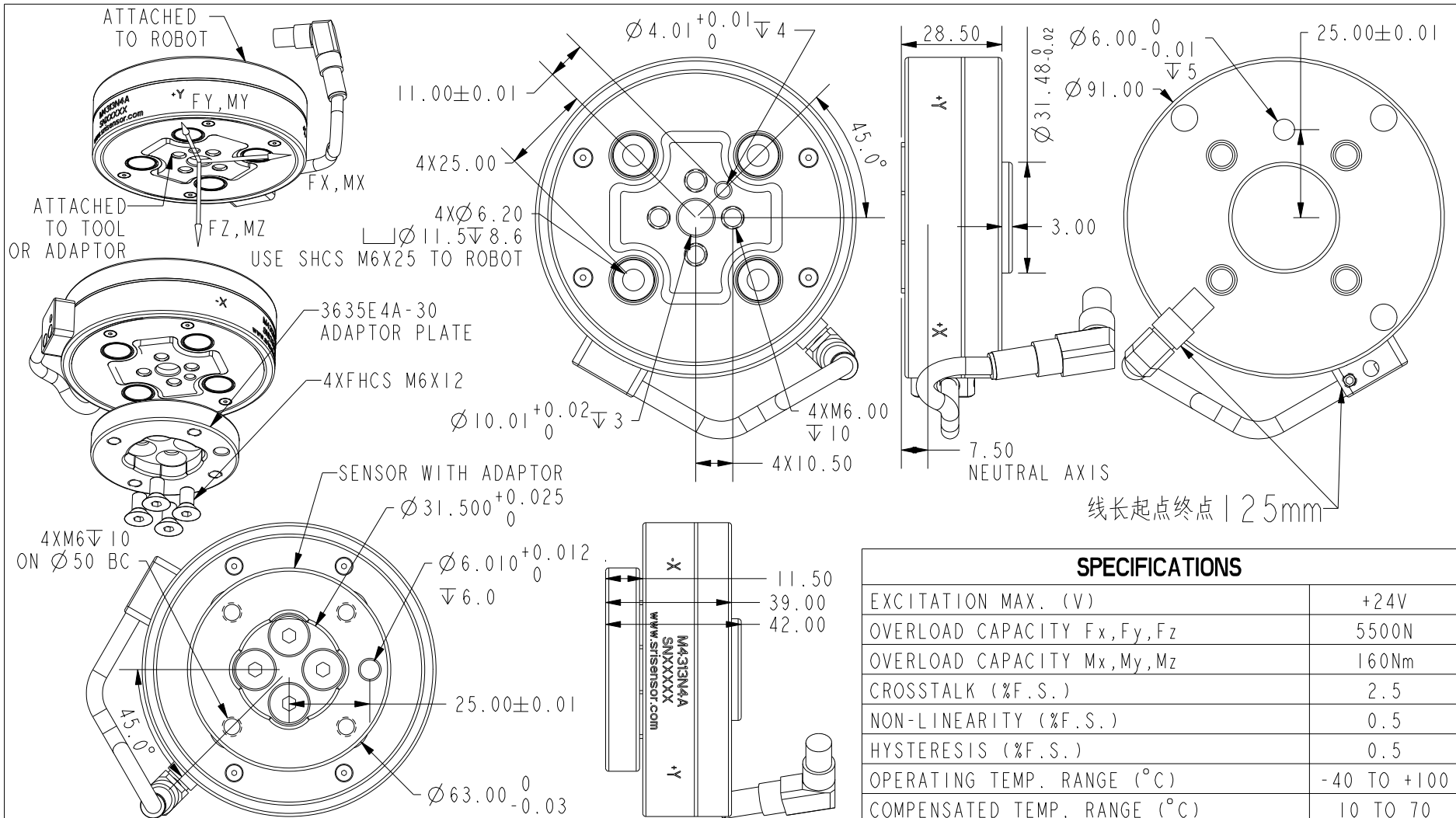




POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

SENSOR HAS INTERNAL AMPLIFIER AND DATA ACQUISITION SYSTEM.

#### CONNECTOR PIN ASSIGNMENT

| PIN #    | FUNCTION | PIN #   | FUNCTION |
|----------|----------|---------|----------|
| 1 RED    | +24V     | 5 PINK  | RS485B   |
| 2 BLUE   | NC       | 6 BROWN | NA       |
| 3 GREEN  | NC       | 7 WHITE | NA       |
| 4 YELLOW | RS485A   | 8 GREY  | GND      |

| SPECIFICATIONS                    |             |
|-----------------------------------|-------------|
| EXCITATION MAX. (V)               | +24V        |
| OVERLOAD CAPACITY $F_x, F_y, F_z$ | 5500N       |
| OVERLOAD CAPACITY $M_x, M_y, M_z$ | 160Nm       |
| 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) NOT INCLUDING ADAPTOR   | 0.66        |

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

SIX AXIS CIRCULAR LOAD CELL  
 D91MM F800N, DIGITAL (485) OUTPUT

|                   | $F_x$ (N) | $F_y$ (N) | $F_z$ (N) | $M_x$ (Nm) | $M_y$ (Nm) | $M_z$ (Nm) |
|-------------------|-----------|-----------|-----------|------------|------------|------------|
| <b>CAPACITY</b>   | 800       | 800       | 800       | 40         | 40         | 40         |
| <b>RESOLUTION</b> | 0.18      | 0.18      | 0.18      | 0.003      | 0.003      | 0.003      |

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN MM

M4313N4A

REV.  
 B