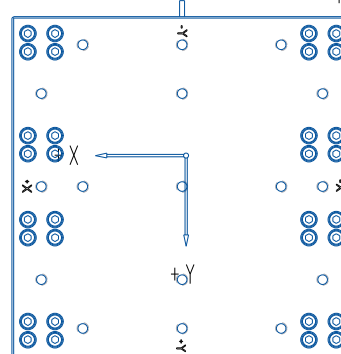
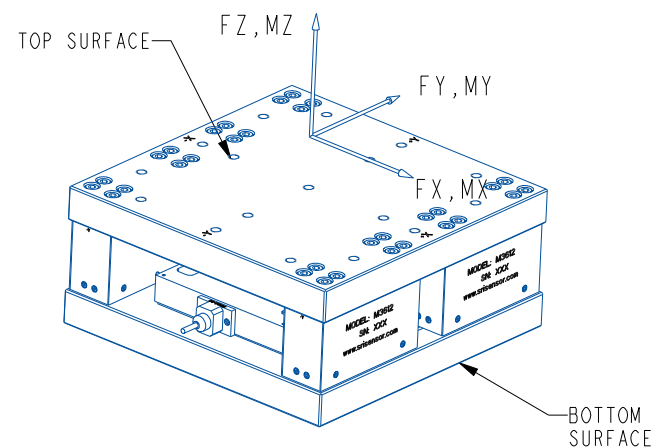
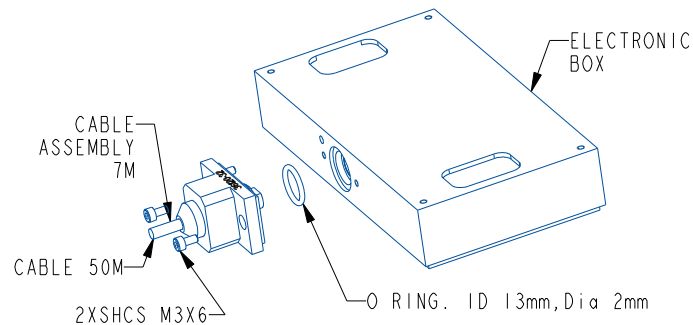
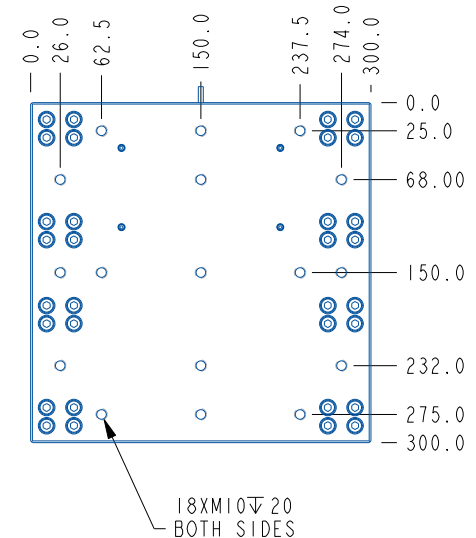
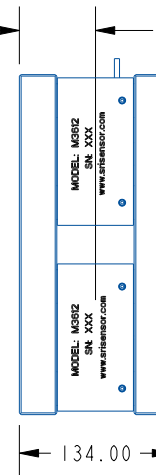




67.00  
NEUTRAL  
AXIS



PROTECTION CLASS: IP68, 2M UNDER WATER

NOTE: MAXIMUM MOMENT ALLOWED (BENDING OR TORSION): 15000Nm

ALL CHANNELS ARE STRUCTURALLY DECOUPLED. NO DECOUPLING ALGORITHM REQUIRED  
ALUMINUM CONSTRUCTION. EMBEDDED AMPLIFIER. WHEN SRI'S INTERFACE BOX M8128  
IS USED, RESOLUTION UP TO 1/5000

## SPECIFICATIONS

|                                         |            |       |       |    |    |    |
|-----------------------------------------|------------|-------|-------|----|----|----|
|                                         | Fx         | Fy    | Fz    | Mx | My | Mz |
| CAPACITY (N)                            | 50000      | 50000 | 50000 | NA | NA | NA |
| OUTPUT (V)                              | 10         | 10    | 10    | NA | NA | NA |
| BRIDGE RES. ( $\Omega$ )                | 350        | 350   | 700   | NA | NA | NA |
| EXCITATION MAX. (V)                     | 24         |       |       |    |    |    |
| OVERLOAD CAPACITY (%F.S.)               | 150        |       |       |    |    |    |
| FREE AIR RESONANT FREQ. (HZ.)           | 800        |       |       |    |    |    |
| CROSSTALK (%F.S.)                       | 3.0        |       |       |    |    |    |
| NON-LINEARITY (%F.S.)                   | 0.5        |       |       |    |    |    |
| HYSTERESIS (%F.S.)                      | 0.5        |       |       |    |    |    |
| OPERATING TEMP. RANGE ( $^{\circ}$ C)   | -20 TO +85 |       |       |    |    |    |
| COMPENSATED TEMP. RANGE ( $^{\circ}$ C) | 10 TO 70   |       |       |    |    |    |
| MASS (KG)                               | 23         |       |       |    |    |    |

## WIRING CODE VOLTAGE 24V@100MA

| COLOR     | FUNCTION | COLOR        | FUNCTION | COLOR       | FUNCTION |
|-----------|----------|--------------|----------|-------------|----------|
| GREEN     | +FX      | YELLOW       | +FZ      | BLUE        | +MY (NA) |
| BROWN/WHT | -FX      | GREEN/PURPLE | -FZ      | BLUE/PURPLE | -MY (NA) |
| ORANGE    | +FY      | GREEN/WHT    | +MX (NA) | BROWN       | +MZ (NA) |
| BLUE/WHT  | -FY      | BROWN/PURPLE | -MX (NA) | ORG/PURPLE  | -MZ (NA) |

+V 24V @100MA: RED, RED/WHITE, RED/PURPLE, YELLOW/PURPLE

GND: BLK, BLK/WHT, BLK/PURPLE, YELLOW/WHT, ORG/WHITE. SHIELD CONNECTED TO SENSOR

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

THREE AXIS FORCE PLATE LOAD CELL  
300 X 300 MM, 50KN

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M3612QIP

REV.  
0.1