



AFTER MOUNTED TO AN ALUMINUM BLOCK (2KG), THE RESONANT FREQ. ARE 230 HZ FOR FX & FY & MZ, AND 510 HZ FOR FZ & MX & MY

THE OUTPUT IS POSITIVE WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE AS SHOWN. A 6X6 MATRIX IS PROVIDED FOR DECOUPLING

| SPECIFICATIONS                  |             |
|---------------------------------|-------------|
| POWER SUPPLY (V)                | 12-24V      |
| OVERLOAD CAPACITY (%F.S.)       | 1000        |
| NON-LINEARITY (%F.S.)           | 0.2         |
| HYSTERESIS (%F.S.)              | 0.2         |
| CROSSTALK (%F.S.)               | 1.0         |
| RESOLUTION (WITH M8125, 16 BIT) | 1/5000      |
| RESONANT FREQ. (FX,FY,MZ) (HZ.) | 968         |
| RESONANT FREQ. (FZ,MX,MY) (HZ.) | 1710        |
| OPERATING TEMP. RANGE (°C)      | -40 TO +100 |
| MASS (KG)                       | 0.69        |

|                         | Fx   | Fy   | Fz   | Mx   | My   | Mz   |
|-------------------------|------|------|------|------|------|------|
| <b>CAPACITY (N/Nm)</b>  | 130N | 130N | 130N | 14Nm | 14Nm | 14Nm |
| <b>OUTPUT @ F.S.(V)</b> | 5    | 5    | 5    | 5    | 5    | 5    |

| LEMO PIN ASSIGNMENT |          |       |          |       |          |
|---------------------|----------|-------|----------|-------|----------|
| PIN #               | FUNCTION | PIN # | FUNCTION | PIN # | FUNCTION |
| 1 & 2               | GND      | 7     | +CHN2    | 12    | -CHN4    |
| 3                   | +15V     | 8     | -CHN2    | 13    | +CHN5    |
| 4                   | -15V     | 9     | +CHN3    | 14    | -CHN5    |
| 5                   | +CHN1    | 10    | -CHN3    | 15    | +CHN6    |
| 6                   | -CHN1    | 11    | +CHN4    | 16    | -CHN6    |

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

SIX AXIS LOADCELL WITH OL STOPS & AMP D100MM F130N, HIGH PRECISION VERSION

|   |         |        |
|---|---------|--------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3816CH | REV. A |
|---|---------|--------|