



MOUNTING ROBOT ARM TO THIS SIDE

MOUNTING TOOL TO THIS SIDE

LEMFO CONNECTOR EEG.2K.316.CLL MATING CONNECTOR FGG.2K.316.CLAD52Z

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.) | 700 |
| RESONANT FREQ.(FZ,MX,MY) (HZ.) | 1200 |
| OPERATING TEMP. RANGE (°C) | -40 TO +100 |
| MASS (KG) | 1.4 |

| | Fx | Fy | Fz | Mx | My | Mz |
|-------------------------|------|------|------|------|------|------|
| CAPACITY (N/Nm) | 520N | 520N | 520N | 84Nm | 84Nm | 84Nm |
| OUTPUT @ F.S.(V) | 5 | 5 | 5 | 5 | 5 | 5 |

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

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS LOADCELL WITH OL STOPS & AMP D100MM F260N, HIGH PRECISION VERSION

| | | |
|---|---------|--------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3817EH | REV. A |
|---|---------|--------|