



POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LOADCELL, PER COORDINATE SYSTEM AS SHOWN

CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

| | Fx | Fy | Fz | Mx | My | Mz |
|------------------------|----------------|-------|-------|------|------|------|
| CAPACITY (N/Nm) | 300.0 | 300.0 | 500.0 | 10.0 | 10.0 | 10.0 |
| OUTPUT (mV/V) | COUPLED OUTPUT | | | | | |
| BRIDGE RES. (Ω) | 700 | 1400 | 700 | 1400 | 700 | 1400 |

WIRING CODE (14-CONDUCTOR CABLE)

| NO. | COLOR | FUNCTION | NO. | COLOR | FUNCTION | NO. | COLOR | FUNCTION |
|-----|-----------|----------|-----|----------|----------|-----|--------|----------|
| 1 | GREEN | CH1+ | 6 | BROWN-ST | CH3- | 11 | PURPLE | CH6+ |
| 2 | GREEN-ST | CH1- | 7 | WHITE | CH4+ | 12 | GREY | CH6- |
| 3 | YELLOW | CH2+ | 8 | WHITE-ST | CH4- | 13 | RED | +E |
| 4 | YELLOW-ST | CH2- | 9 | ORANGE | CH5+ | 14 | BLACK | -E |
| 5 | BROWN | CH3+ | 10 | BLUE | CH5- | | | |

XXXX-ST (e.g. GREEN-ST) - WITH SHRINK TUBE SHIELD TO SENSOR BODY

| SPECIFICATIONS | |
|-------------------------------|------------|
| EXCITATION MAX. (V) | 7 |
| OVERLOAD CAPACITY (%F.S.) | 200 |
| FREE AIR RESONANT FREQ. (HZ.) | 2050 |
| CROSSTALK (%F.S.) | 3.0 |
| NON-LINEARITY (%F.S.) | 1.0 |
| HYSTERESIS (%F.S.) | 1.0 |
| OPERATING TEMP. RANGE (°C) | -40 TO +90 |
| COMPENSATED TEMP. RANGE (°C) | 10 TO 70 |
| MASS (KG) | 0.05 |

SRI- SUNRISE INSTRUMENTS
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SIX AXIS CIRCULAR LOAD CELL
 EXTRA THIN, D60MM F300N

| | | |
|---|---------|--------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M3554C2 | REV. C |
|---|---------|--------|