



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

CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

TO ENSURE STABLE OUTPUT, MATING PLATES WITH MINIMUM 3MM THICK (STELL OR ALUMINUM) ON BOTH SIDES ARE REQUIRED

|                        | Fx             | Fy    | Fz     | Mx  | My  | Mz  |
|------------------------|----------------|-------|--------|-----|-----|-----|
| <b>CAPACITY (N/Nm)</b> | 600.0          | 600.0 | 1000.0 | 9.0 | 9.0 | 9.0 |
| <b>OUTPUT (mV/V)</b>   | COUPLED OUTPUT |       |        |     |     |     |
| <b>BRIDGE RES. (Ω)</b> | 350            | 700   | 350    | 700 | 350 | 700 |

| SPECIFICATIONS                |            |
|-------------------------------|------------|
| EXCITATION MAX. (V)           | 7          |
| OVERLOAD CAPACITY (%F.S.)     | 200        |
| FREE AIR RESONANT FREQ. (HZ.) | 2900       |
| CROSSTALK (%F.S.)             | 4.0        |
| NON-LINEARITY (%F.S.)         | 1.5        |
| HYSTERESIS (%F.S.)            | 1.5        |
| OPERATING TEMP. RANGE (°C)    | -40 TO +90 |
| COMPENSATED TEMP. RANGE (°C)  | 10 TO 70   |
| MASS (KG)                     | 0.025      |

**WIRING CODE - TWISTED PAIR**

| FUNC | CHN1          | CHN2        | CHN3         | CHN4        | CHN5        | CHN6          |
|------|---------------|-------------|--------------|-------------|-------------|---------------|
| +SIG | WHITE (BROWN) | ORG (BROWN) | BLUE (BROWN) | YEL (BROWN) | RED (BROWN) | WHITE (BLACK) |
| -SIG | BROWN (WHITE) | BROWN (ORG) | BROWN (BLUE) | BROWN (YEL) | BROWN (RED) | BLACK (WHITE) |
| +EXC | RED (BLACK)   |             |              |             |             |               |
| -EXC | BLACK (RED)   |             |              |             |             |               |

"YEL"="YELLOW", "ORG"="ORANGE", "WHITE (BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SIX AXIS CIRCULAR LOAD CELL  
EXTRA THIN, COUPLED, D30MM F600N

|  |        |           |
|--|--------|-----------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MM | M3552D | REV.<br>C |
|--|--------|-----------|