

MC6-1000 SPECIFICATIONS

The MC6 is a six-axis transducer with threaded inserts in its top surface and a flanged base for t-slot mounting, making it an ideal sensor for the manufacturing and machining measurements.



Units: Metric Capacity: 1000

| | | | |
|-----------------------|--------------------------|--------------------------|--------------------------|
| Dimensions (WxLxH) | 152 x 152 x 84.07 mm | | |
| Weight | 5.91 Kg. | Sensing elements | Strain gage bridge |
| Channels | Fx, Fy, Fz, Mx, My, Mz | Amplifier | Required |
| Top plate material | Aluminum | Analog outputs | 6 Channels |
| Temperature range | -17.78 to 51.67°C | Digital outputs | None |
| Excitation | 10V maximum | Crosstalk | < 2% on all channels |
| Fx, Fy, Fz hysteresis | ± 0.2% full scale output | Fx, Fy, Fz non-linearity | ± 0.2% full scale output |

| Channel | Fx | Fy | Fz | Units | Mx | My | Mz | Units |
|--------------------------------|-------|-------|--------|---------|-----|-----|-------|------------|
| Capacity | 2224 | 2224 | 4448 | N | 339 | 339 | 169 | N-m |
| Sensitivity | 0.674 | 0.674 | 0.171 | µv/v-lb | 6.2 | 6.2 | 13.28 | µv/v-in-lb |
| Natural frequency | 550 | 550 | 620 | Hz | - | - | - | Hz |
| Stiffness (X 10 ⁵) | 36819 | 36819 | 245462 | N/m | - | - | - | N-m/rad |

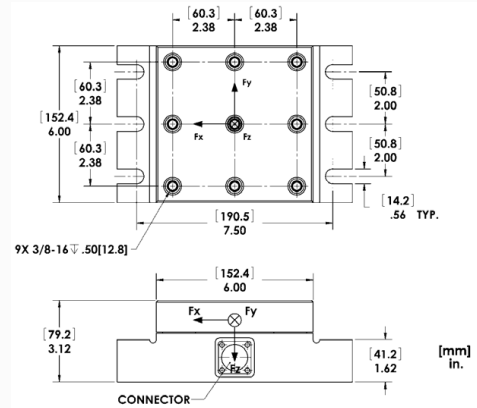
Resolution *To determine the resolution of your system, please use our [Output Calculator](#).*

Published specifications subject to change without notice.

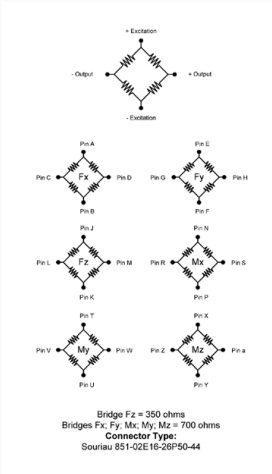
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TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



MC6-2000 SPECIFICATIONS

The MC6 is a six-axis transducer with threaded inserts in its top surface and a flanged base for t-slot mounting, making it an ideal sensor for the manufacturing and machining measurements.



Units: Metric Capacity: 2000

| | | | |
|-----------------------|--------------------------|--------------------------|--------------------------|
| Dimensions (WxLxH) | 152 x 152 x 84.07 mm | | |
| Weight | 5.91 Kg. | Sensing elements | Strain gage bridge |
| Channels | Fx, Fy, Fz, Mx, My, Mz | Amplifier | Required |
| Top plate material | Aluminum | Analog outputs | 6 Channels |
| Temperature range | -17.78 to 51.67°C | Digital outputs | None |
| Excitation | 10V maximum | Crosstalk | < 2% on all channels |
| Fx, Fy, Fz hysteresis | ± 0.2% full scale output | Fx, Fy, Fz non-linearity | ± 0.2% full scale output |

| Channel | Fx | Fy | Fz | Units | Mx | My | Mz | Units |
|--------------------------------|-------|-------|--------|---------|-----|-----|------|------------|
| Capacity | 4448 | 4448 | 8896 | N | 678 | 678 | 339 | N-m |
| Sensitivity | 0.337 | 0.337 | 0.0854 | µv/v-lb | 3.1 | 3.1 | 6.64 | µv/v-in-lb |
| Natural frequency | 800 | 800 | 875 | Hz | - | - | - | Hz |
| Stiffness (X 10 ⁵) | 73639 | 73639 | 490924 | N/m | - | - | - | N-m/rad |

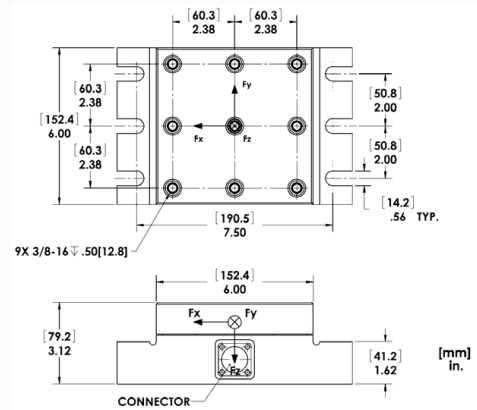
Resolution To determine the resolution of your system, please use our [Output Calculator](#).

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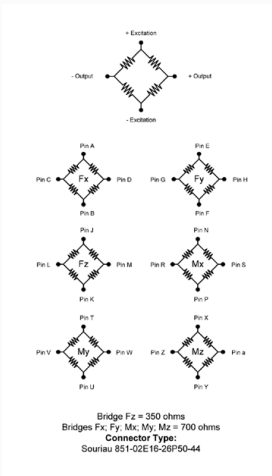
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TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



MC6-4000 SPECIFICATIONS

The MC6 is a six-axis transducer with threaded inserts in its top surface and a flanged base for t-slot mounting, making it an ideal sensor for the manufacturing and machining measurements.



Units: Metric Capacity: 4000

| | | | |
|-----------------------|--------------------------|--------------------------|--------------------------|
| Dimensions (WxLxH) | 152 x 152 x 84.07 mm | | |
| Weight | 5.91 Kg. | Sensing elements | Strain gage bridge |
| Channels | Fx, Fy, Fz, Mx, My, Mz | Amplifier | Required |
| Top plate material | Aluminum | Analog outputs | 6 Channels |
| Temperature range | -17.78 to 51.67°C | Digital outputs | None |
| Excitation | 10V maximum | Crosstalk | < 2% on all channels |
| Fx, Fy, Fz hysteresis | ± 0.2% full scale output | Fx, Fy, Fz non-linearity | ± 0.2% full scale output |

| Channel | Fx | Fy | Fz | Units | Mx | My | Mz | Units |
|--------------------------------|--------|--------|--------|---------|------|------|------|------------|
| Capacity | 8896 | 8896 | 17793 | N | 1355 | 1355 | 678 | N-m |
| Sensitivity | 0.169 | 0.169 | 0.0427 | µv/v-lb | 1.55 | 1.55 | 3.32 | µv/v-in-lb |
| Natural frequency | 1000 | 1000 | 1200 | Hz | - | - | - | Hz |
| Stiffness (X 10 ⁵) | 147277 | 147277 | 981848 | N/m | - | - | - | N-m/rad |

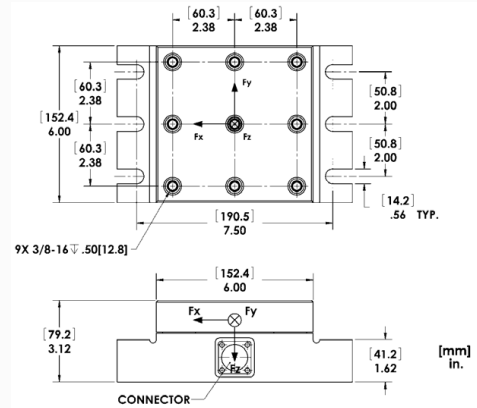
Resolution To determine the resolution of your system, please use our [Output Calculator](#).

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TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)

