MC5-10000 SPECIFICATIONS

Units: Metric **Capacity:** 10000

Dimensions(LxDia.)	127 x 125.7 mm		
Weight	3.18 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	22241	22241	44482	N	1626	1626	1129	N-m
Sensitivity	0.112	0.112	0.0281	µv/v-lb	2.55	2.55	1.55	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	1683	1683	8416	N/m	6.78	6.78	4.52	N-m/rad

Resolution *To determine the resolution of your system, please use our* ***Output Calculator.***

Notes:

The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My, and Mz capacities are not exceeded.

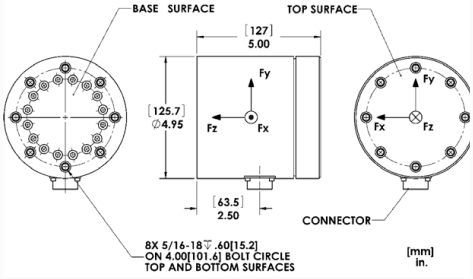
The Mx and My capacities are calculated in reference to the transducer origin located 2.37 in (6 cm) below the top surface.

Published specifications subject to change without notice.

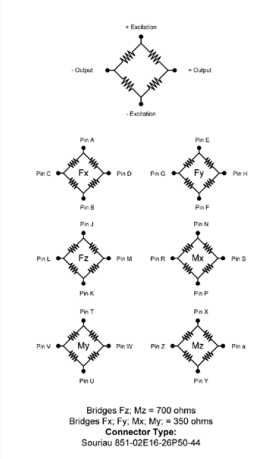
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



MC5-1250 SPECIFICATIONS

A cylindrical, six-axis transducer with bolt-ready top and bottom surfaces.

Units: Metric **Capacity:** 1250

Dimensions(LxDia.)	127 x 125.7 mm		
Weight	3.18 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

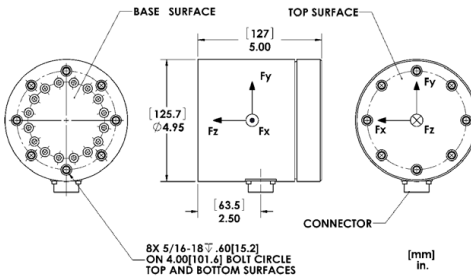
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	2780	2780	5560	N	203	203	141	N-m
Sensitivity	0.899	0.899	0.225	µv/v-lb	20.37	20.37	12.4	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	210	210	1052	N/m	0.847	0.847	0.565	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							
Notes:	The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My, and Mz capacities are not exceeded. The Mx and My capacities are calculated in reference to the transducer origin located 2.37 in (6 cm) below the top surface.							

Published specifications subject to change without notice.

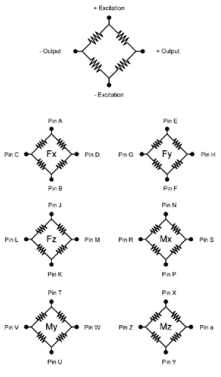
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



Bridges Fz; Mz = 700 ohms
Bridges Fx; Fy; Mx; My; = 350 ohms
Connector Type:
Souriau 851-02E16-26P50-44

MC5-2500 SPECIFICATIONS

Units: Metric **Capacity:** 2500

Dimensions(LxDia.)	127 x 125.7 mm		
Weight	3.18 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	5560	5560	11121	N	407	407	282	N-m
Sensitivity	0.45	0.45	0.112	µv/v-lb	10.18	10.18	6.2	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	421	421	2104	N/m	1.69	1.69	1.13	N-m/rad

Resolution *To determine the resolution of your system, please use our* ***Output Calculator.***

Notes:

The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My, and Mz capacities are not exceeded.

The Mx and My capacities are calculated in reference to the transducer origin located 2.37 in (6 cm) below the top surface.

Published specifications subject to change without notice.

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TECHNICAL DRAWINGS

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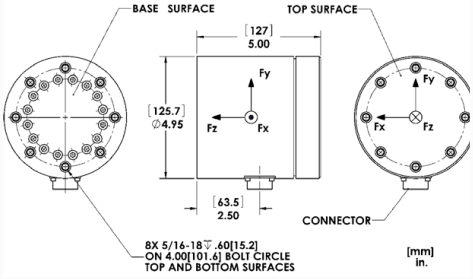

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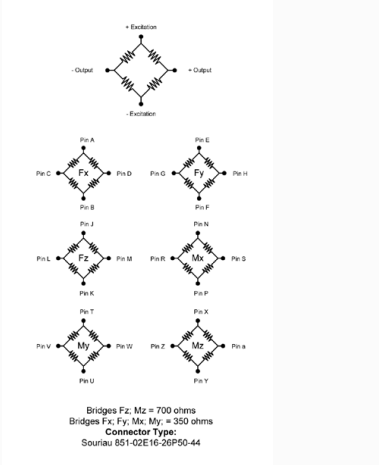


MC5-5000 SPECIFICATIONS

Units: Metric **Capacity:** 5000

Dimensions(LxDia.)	127 x 125.7 mm		
Weight	3.18 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	11121	11121	22241	N	813	813	565	N-m
Sensitivity	0.225	0.225	0.0562	µv/v-lb	5.09	5.09	3.1	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	842	842	4208	N/m	3.39	3.39	2.26	N-m/rad

Resolution *To determine the resolution of your system, please use our* ***Output Calculator.***

Notes:

The Fx, Fy, and Fz capacities can be exceeded by a factor of 3 as long as the Mx, My, and Mz capacities are not exceeded.

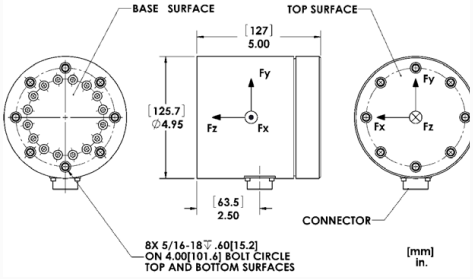
The Mx and My capacities are calculated in reference to the transducer origin located 2.37 in (6 cm) below the top surface.

Published specifications subject to change without notice.

Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)