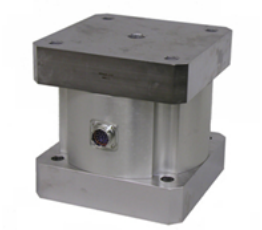
MC8-10000 SPECIFICATIONS

A cylindrical, six-axis transducer designed to quantify loads up to 30,000 pounds.



Units: Metric **Capacity:** 10000

Dimensions (WxLxH)	203 x 203 x 203 mm		
Weight	36.36 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Stainess Steel	**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

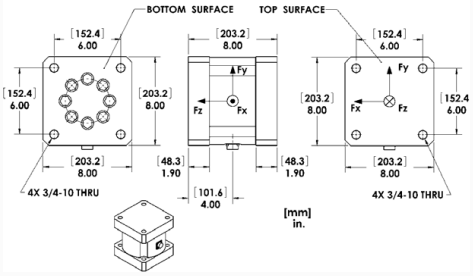
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	22241	22241	44482	N	4517	4517	2258	N-m
Sensitivity	0.148	0.148	0.0315	µv/v-lb	1.24	1.24	1.24	µv/v-in-lb
Natural frequency	800	800	1200	Hz	-	-	-	Hz
Stiffness (X 10^5)	1052	1052	4383	N/m	-	-	-	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

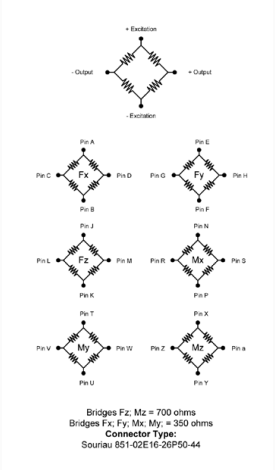
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)

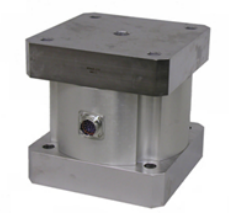


Electrical Drawing (click on image to enlarge)



MC8-20000 SPECIFICATIONS

A cylindrical, six-axis transducer designed to quantify loads up to 30,000 pounds.



Units: Metric **Capacity:** 20000

Dimensions (WxLxH)	203 x 203 x 203 mm		
Weight	36.36 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Stainess Steel	**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

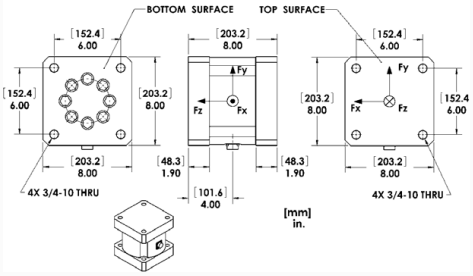
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	44482	44482	88964	N	9033	9033	4517	N-m
Sensitivity	0.0742	0.0742	0.0157	µv/v-lb	0.62	0.62	0.62	µv/v-in-lb
Natural frequency	1100	1100	1700	Hz	-	-	-	Hz
Stiffness (X 10^5)	2104	2104	8767	N/m	-	-	-	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

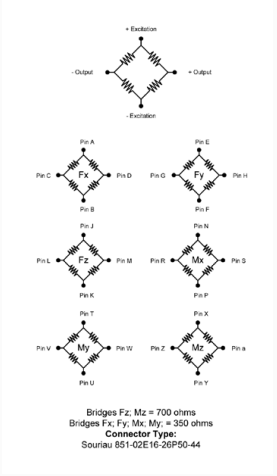
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)

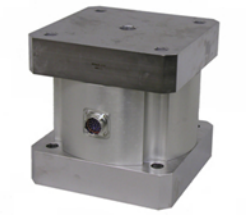


Electrical Drawing (click on image to enlarge)



MC8-30000 SPECIFICATIONS

A cylindrical, six-axis transducer designed to quantify loads up to 30,000 pounds.



Units: Metric **Capacity:** 30000

Dimensions (WxLxH)	203 x 203 x 203 mm		
Weight	36.36 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Stainess Steel	**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

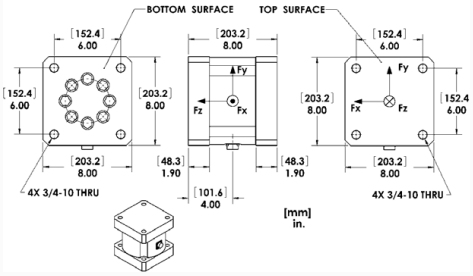
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	66723	66723	133447	N	13550	13550	6775	N-m
Sensitivity	0.0495	0.0495	0.0105	µv/v-lb	0.413	0.413	0.413	µv/v-in-lb
Natural frequency	1300	1300	2000	Hz	-	-	-	Hz
Stiffness (X 10^5)	3156	3156	13150	N/m	-	-	-	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)