MC8-20000 SPECIFICATIONS

The MC8 is a high-capacity, six-axis transducer designed to quantify loads up to 30,000 pounds. The instrument has eight inch square top and bottom plates manufactured from high strength 17-4 stainless steel. The center anodized aluminum shell is notched to allow 5/8" diameter bolts to pass through the 3/4-10 threaded mounting holes. This provides additional mounting possibilities. Elastomeric 0-ring seals protect the strain gages and wiring. Conformal coating of the strain gages further insures long life and consistent, reliable performance.

Units: Metric ▼ Capacity: 88964 N ▼

Dimensions(WxLxH)	203 x 203 x 203 mm	**IP Rating**	IP60
Weight	36.36 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Body Material	Stainless 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

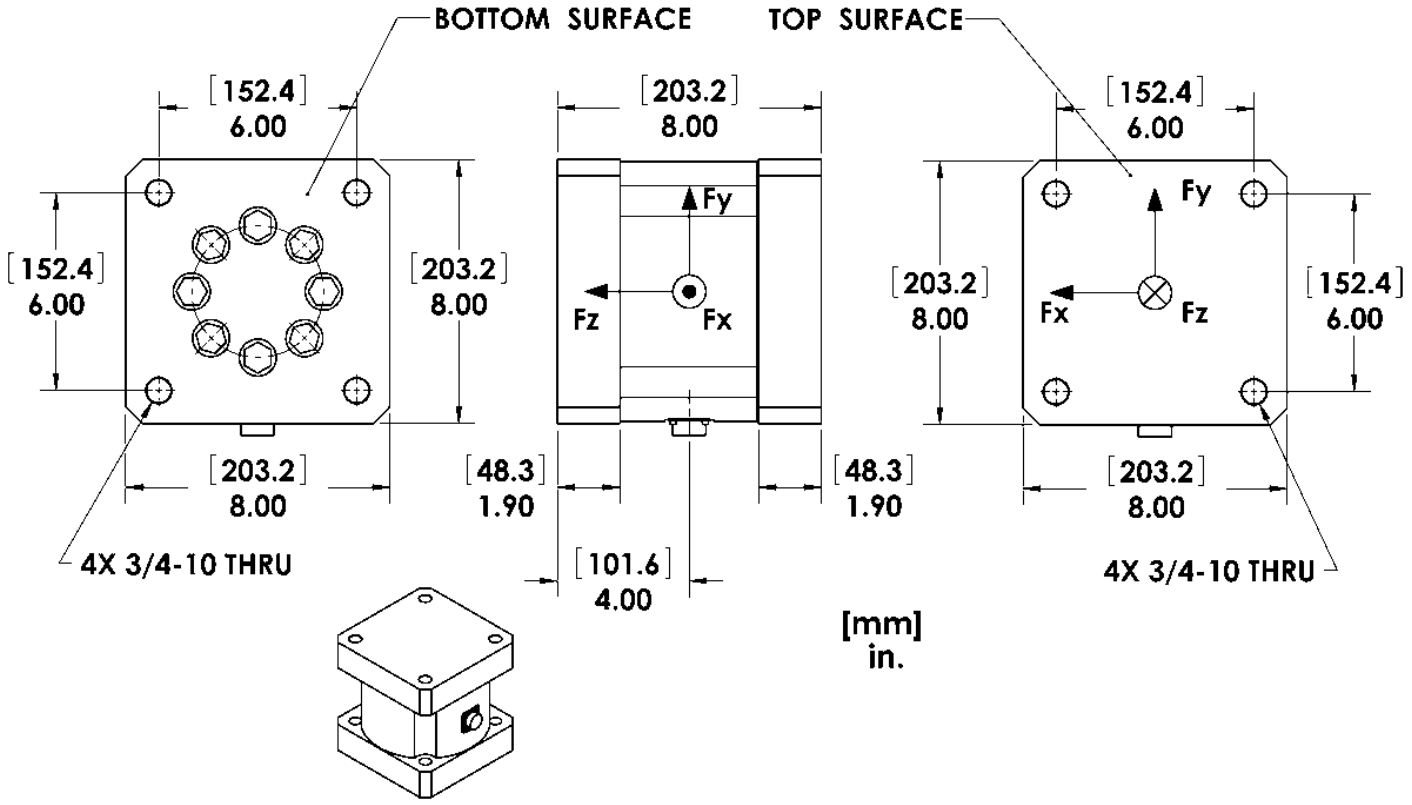
Channel	**Fx**	**Fy**	**Fz**	**Units**	**Mx**	**My**	**Mz**	**Units**
Capacity	44482	44482	88964	N	9033	9033	4517	N-m
Sensitivity	0.0742	0.0742	0.0157	µv/v-N	0.62	0.62	0.62	µv/v-N-m
Natural frequency	1100	1100	1700	Hz	-	-	-	Hz
Stiffness (X 105)	2104	2104	8767	N/m	-	-	-	N-m/rad

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

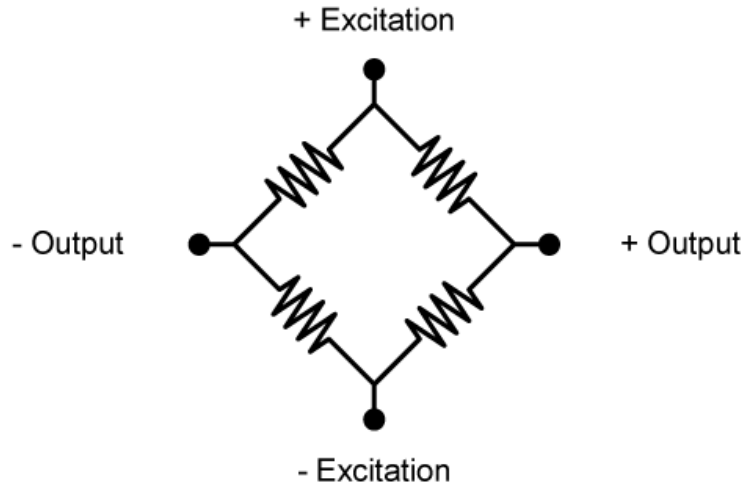
Published specifications subject to change without notice.

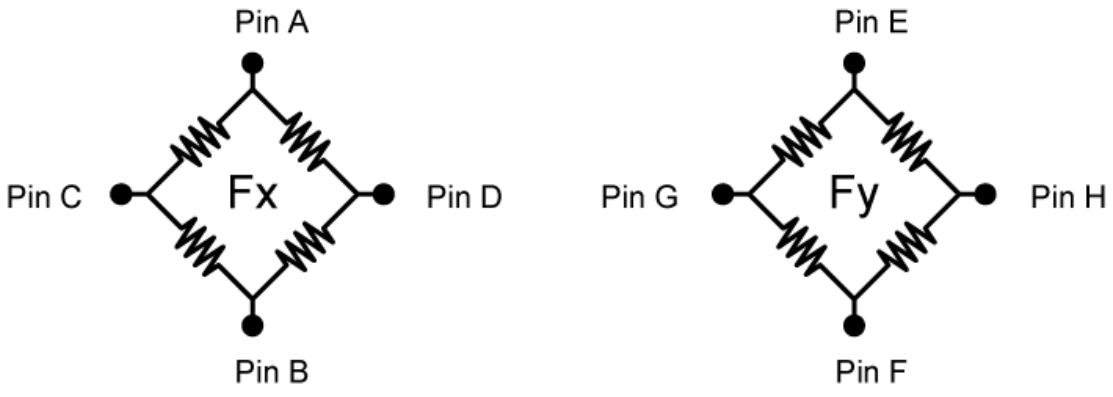
Last modified:2016-08-23

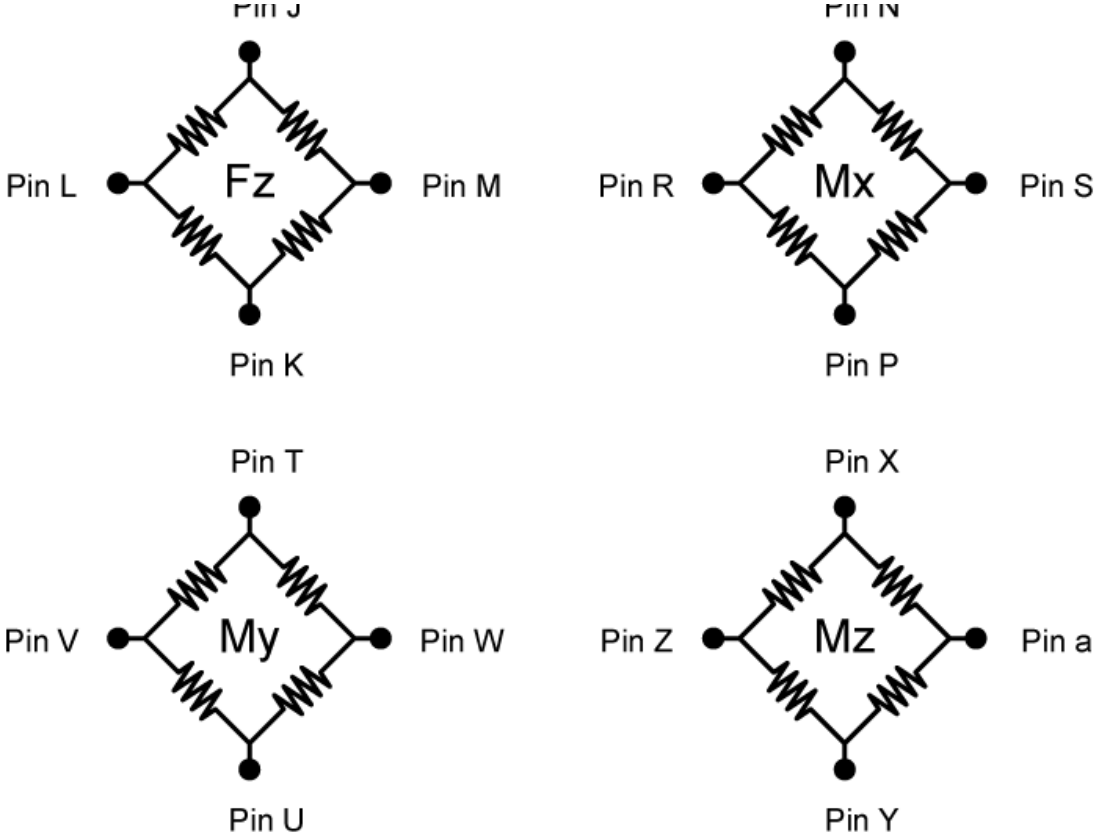
TECHNICAL DRAWINGS
Footprint Drawing (click on image to enlarge)
Electrical Drawing (click on image to enlarge)
TECHNICAL DRAWING
Footprint Drawing



Electrical Drawing







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

176 Waltham Street, Watertown, MA 02472-4800 USA
1-617-926-6700