



# MC8-30000 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 O-ring seals protect the strain gages and wiring. Conformal coating of the strain gages further insures long life and consistent, reliable performance.



Units:  Capacity:

<b>Dimensions (WxLxH)</b>	203 x 203 x 203 mm		
<b>Weight</b>	36.36 Kg.	<b>Sensing elements</b>	Strain gage bridge
<b>Channels</b>	Fx, Fy, Fz, Mx, My, Mz	<b>Amplifier</b>	Required
<b>Body Material</b>	Stainless Steel	<b>Analog outputs</b>	6 Channels
<b>Temperature range</b>	-17.78 to 51.67°C	<b>Digital outputs</b>	None
<b>Excitation</b>	10V maximum	<b>Crosstalk</b>	< 2% on all channels
<b>Fx, Fy, Fz hysteresis</b>	± 0.2% full scale output	<b>Fx, Fy, Fz non-linearity</b>	± 0.2% full scale output

Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	66724	66724	133448	N	13550	13550	6775	N-m
Sensitivity	0.0495	0.0495	0.0105	µv/v-N	0.413	0.413	0.413	µv/v-N-m
Natural frequency	1300	1300	2000	Hz	-	-	-	Hz
Stiffness (X 105)	3156	3156	13150	N/m	-	-	-	N-m/rad

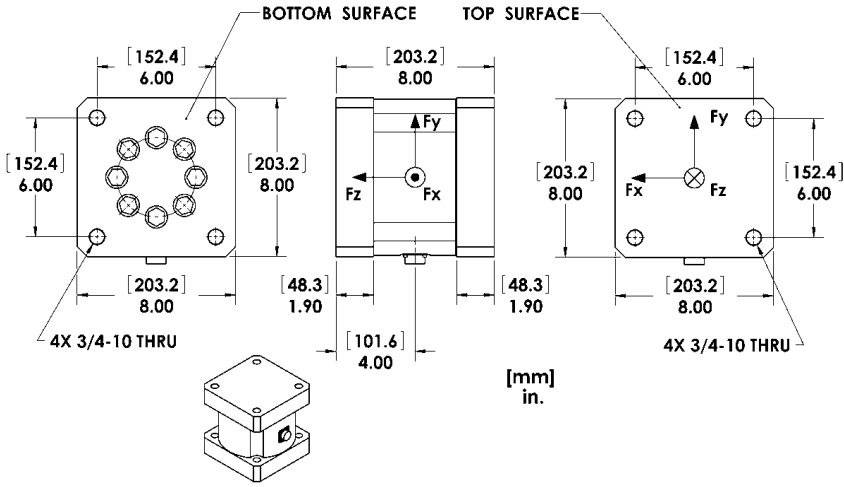
Resolution *To determine the resolution of your system, please use our [Output Calculator](#).*

Published specifications subject to change without notice.

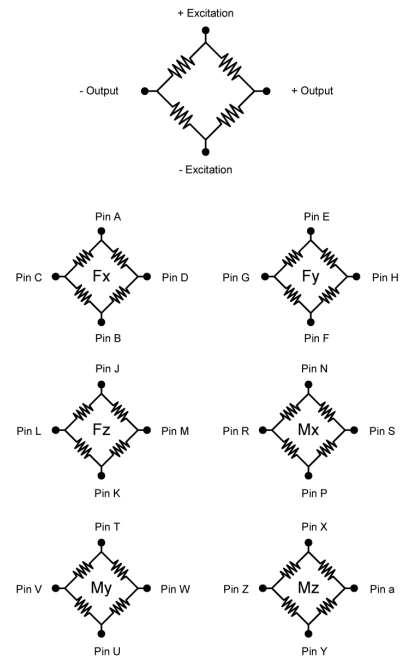
Last modified:2016-08-23

# TECHNICAL DRAWINGS

## Footprint Drawing



## Electrical Drawing



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

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