MC818-4000 SPECIFICATIONS

The MC818 is a six-axis transducer with threaded inserts in its top surface and a flanged base for t-slot mounting. A high-strength aluminum alloy (7075-T6) is used throughout to withstand harsh manufacturing and testing environments. A durable anodized finish protects the exterior from corrosion while elastomeric 0-ring seals protect the strain gages and wiring. Internal potting of the strain gages further insures long life and consistent, reliable performance.

Units: Metric Capacity: 4000

Dimensions (WxLxH)	203 x 559 x 79.25 mm		
Weight	20.45 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Body 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	1807	3613	2033	N-m
Sensitivity	0.169	0.169	0.0427	µv/v-lb	0.31	0.886	1.24	µv/v-in-lb
Natural frequency	800	800	400	Hz	-	-	-	Hz
Stiffness (X 105)	842	842	3507	N/m	-	-	-	N-m/rad

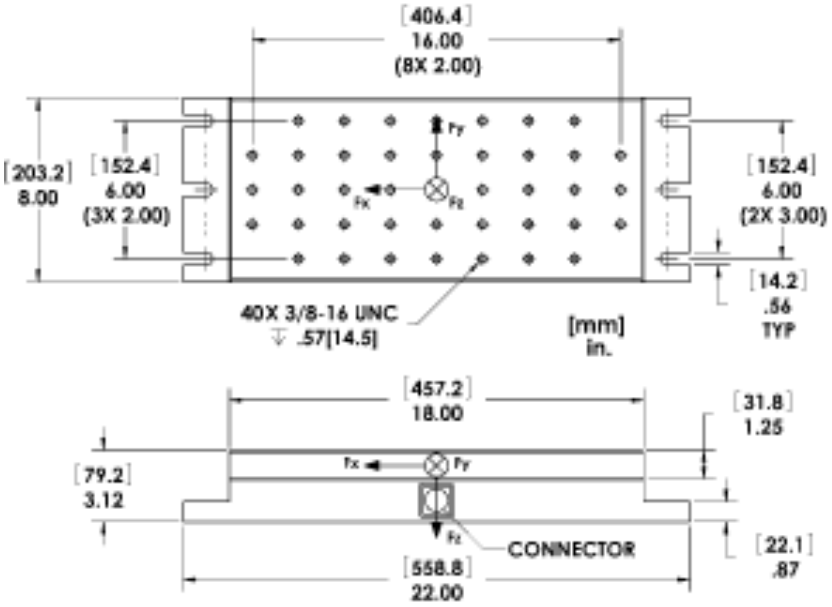
Resolution — *To determine the resolution of your system, please use our Output Calculator.*

Published specifications subject to change without notice.

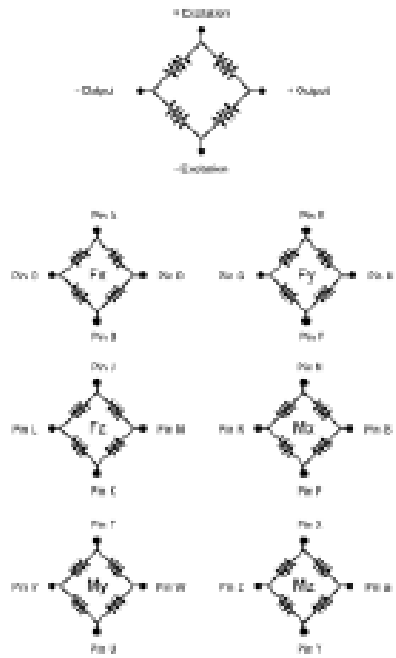
Last modified:2010-10-2

TECHNICAL DRAWINGS

Footprint Drawing



Electrical Drawing



Bridge Fz = 350 ohms
Bridges Fx; Fy; Mx; My; Mz = 700 ohms
Connector Type:
Source: 851-03E16-26P50-44

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