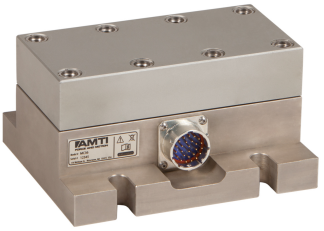
MC36-100 SPECIFICATIONS

The MC36 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, and a steel base is available for use with magnetic chucks. 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: 445 N ▼

Dimensions(WxLxH)	127 x 152 x 79.25 mm	**IP Rating**	IP60
Weight	5 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	445	445	445	N	17	34	34	N-m
Sensitivity	2.7	2.7	0.674	µv/v-N	101	24.8	23.03	µv/v-N-m
Natural frequency	500	350	500	Hz	-	-	-	Hz
Stiffness (X 105)	61.37	43.83	526	N/m	-	-	-	N-m/rad

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

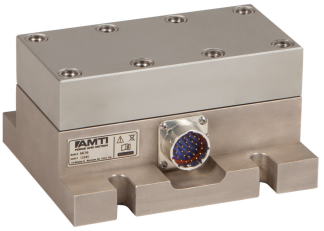
Published specifications subject to change without notice.

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

MC36-250 SPECIFICATIONS

The MC36 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, and a steel base is available for use with magnetic chucks. 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: 1112 N ▼

Dimensions(WxLxH)	127 x 152 x 79.25 mm	**IP Rating**	IP60
Weight	5 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	1112	1112	1112	N	42	85	85	N-m
Sensitivity	1.08	1.08	0.27	µv/v-N	40.4	9.92	9.21	µv/v-N-m
Natural frequency	700	500	700	Hz	-	-	-	Hz
Stiffness (X 105)	153	109.5	1314	N/m	-	-	-	N-m/rad

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

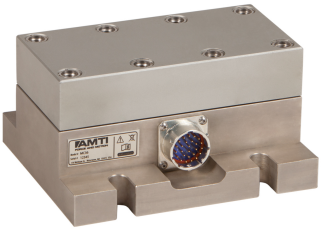
Published specifications subject to change without notice.

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

MC36-500 SPECIFICATIONS

The MC36 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, and a steel base is available for use with magnetic chucks. 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: 2224 N ▼

Dimensions(WxLxH)	127 x 152 x 79.25 mm	**IP Rating**	IP60
Weight	5 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	2223	2223	2223	N	85	169	169	N-m
Sensitivity	0.54	0.54	0.135	µv/v-N	20.2	4.96	4.61	µv/v-N-m
Natural frequency	1000	700	1000	Hz	-	-	-	Hz
Stiffness (X 105)	307	219	2629	N/m	-	-	-	N-m/rad

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

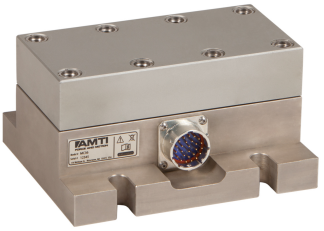
Published specifications subject to change without notice.

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

MC36-1000 SPECIFICATIONS

The MC36 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, and a steel base is available for use with magnetic chucks. 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: 4448 N ▼

Dimensions(WxLxH)	127 x 152 x 79.25 mm	**IP Rating**	IP60
Weight	5 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

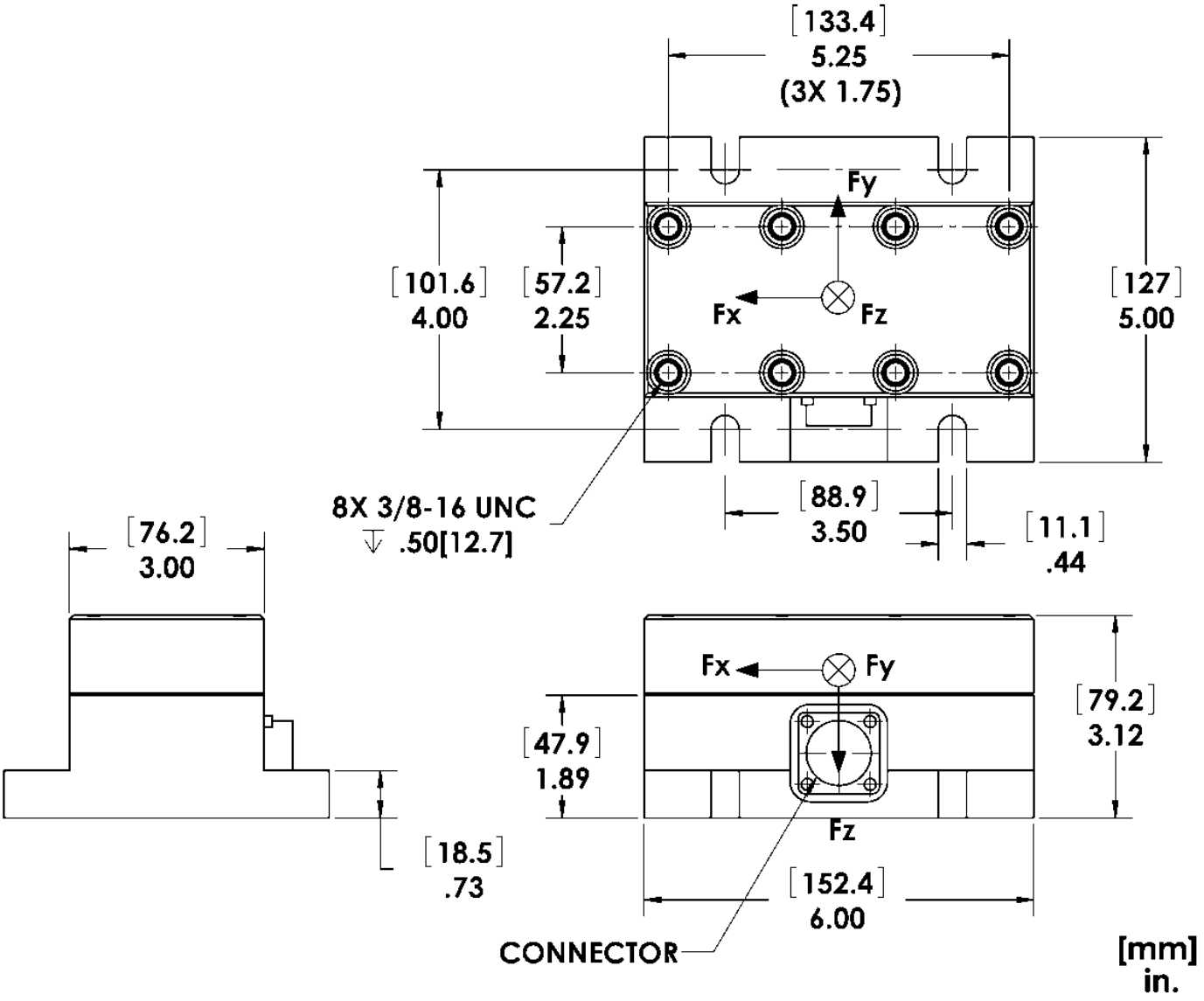
Channel	**Fx**	**Fy**	**Fz**	**Units**	**Mx**	**My**	**Mz**	**Units**
Capacity	4446	4446	4446	N	169	339	339	N-m
Sensitivity	0.27	0.27	0.0675	µv/v-N	10.1	2.48	2.3	µv/v-N-m
Natural frequency	1400	1000	1400	Hz	-	-	-	Hz
Stiffness (X 105)	613	438	5258	N/m	-	-	-	N-m/rad

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

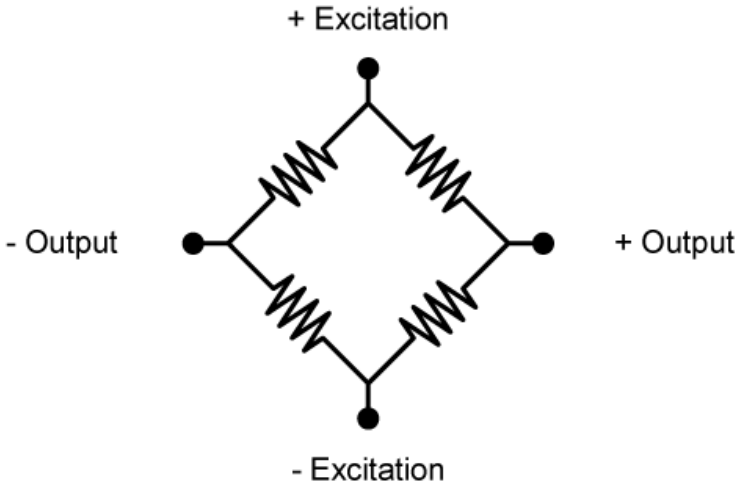
Published specifications subject to change without notice.

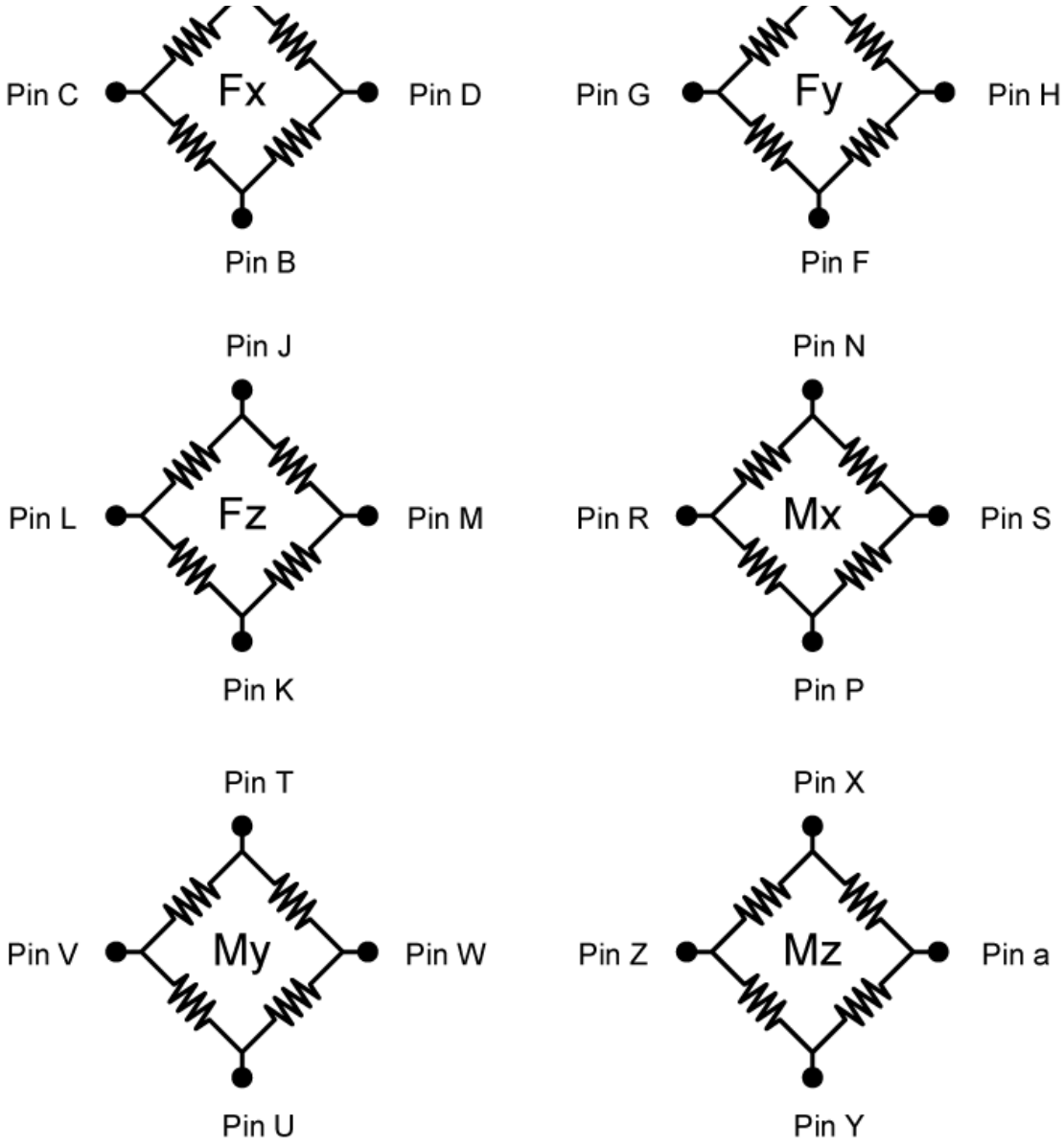
Last modified:2016-08-23

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



Electrical Drawing





Bridges Fx; Fy; Fz; Mx; My; Mz = 700 ohms

Connector Type:

Souriau 851-02E16-26P50-44

176 Waltham Street, Watertown, MA 02472-4800 USA

1-617-926-6700