FS6-100 SPECIFICATIONS

The FS6 is a verstiale force transducer, offering accurate measurement of forces and moments in one of our most compact sensor designs.

Dimensions(LxDia.)	63.5 x 37.85 mm		
Weight	0.1 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Aluminum	**Analog outputs**	Six 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

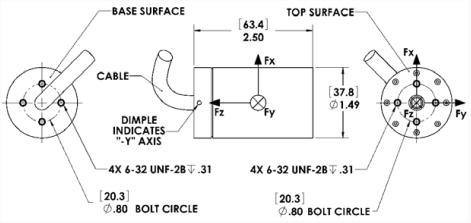
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	222	222	445	N	11	11	5.6	N-m
Sensitivity	5.4	5.4	1.35	µv/v-lb	266	266	213	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	21.04	21.04	298	N/m	-	-	0.0226	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

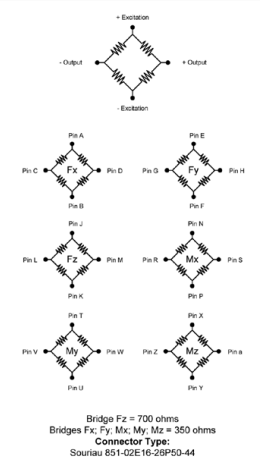
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



FS6-250 SPECIFICATIONS

Units: Metric **Capacity:** 250

Dimensions(LxDia.)	63.5 x 37.85 mm		
Weight	0.1 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Aluminum	**Analog outputs**	Six 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

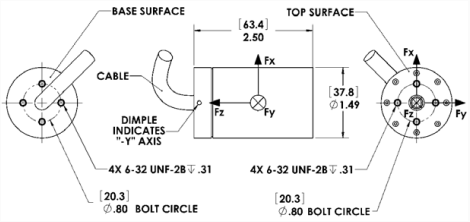
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	556	556	1112	N	28	28	14	N-m
Sensitivity	2.7	2.7	0.674	µv/v-lb	132.8	132.8	106.3	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	52.6	52.6	745	N/m	-	-	0.0452	N-m/rad
Resolution	*To determine the resolution of your system, please use our* ***Output Calculator.***							

Published specifications subject to change without notice.

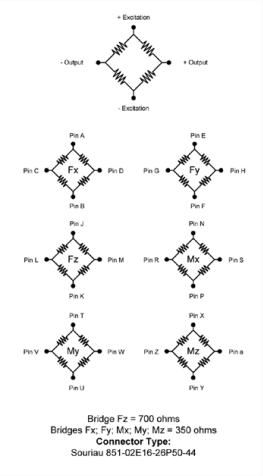
Last modified:10/22/201

TECHNICAL DRAWINGS

Footprint Drawing (click on image to enlarge)



Electrical Drawing (click on image to enlarge)



FS6-500 SPECIFICATIONS

Units: Metric **Capacity:** 250

Dimensions(LxDia.)	63.5 x 37.85 mm		
Weight	0.1 Kg.	**Sensing elements**	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	**Amplifier**	Required
Top plate material	Aluminum	**Analog outputs**	Six 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

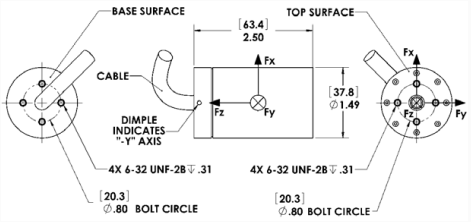
Channel	Fx	Fy	Fz	Units	Mx	My	Mz	Units
Capacity	1112	1112	2224	N	56	56	28	N-m
Sensitivity	1.35	1.35	0.337	µv/v-lb	66.42	66.42	53.14	µv/v-in-lb
Natural frequency	-	-	-	Hz	-	-	-	Hz
Stiffness (X 10^5)	105.2	105.2	1490	N/m	-	-	0.0904	N-m/rad
Resolution	*To determine the resolution of your system, please use 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)