MC3232-50000 SPECIFICATIONS

The MC3232 is specifically designed for measurement of aircraft landing gear tire impact forces. The sensor, along with the larger MC3246, is commonly used to provide continuous measurement of all the Fx, Fy, and Fz forces during drop testing of landing gear mechanisms.



units:	Metric	Сарасііу:	50000	

Dimensions (WxLxH)	813 x 813 x 241 mm		
Weight	255 Kg.	Sensing elements	Strain gage bridge
Channels	Fx, Fy, Fz, Mx, My, Mz	Amplifier	Required
Top plate material	Aluminum	Analog outputs	3 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	111206	111206	222411	Ν	5646	5646	2823	N-m
Sensitivity	0.45	0.45	0.18	mv/v	14.17	14.17	15.94	mv/v
Natural frequency	500	500	600	Hz	-	-	-	Hz
Stiffness (X 10 ⁵)	-	-	-	N/m	-	-	-	N-m/rad

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

 $\label{published} \hbox{Published specifications subject to change without notice}.$

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