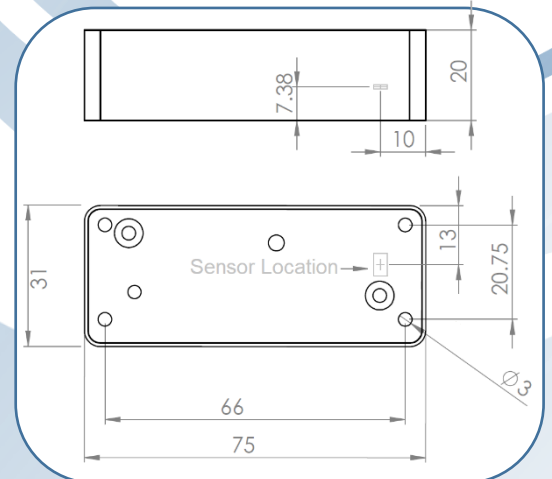
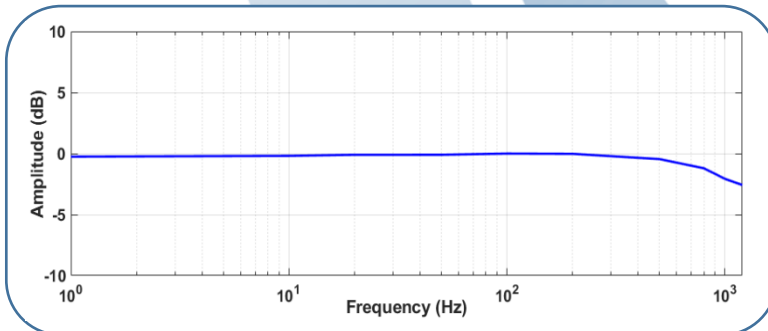


## Shock and Acceleration Logger

LOG 3xx, series of acceleration loggers based on MEMS technology, are useful devices for fast and accurate vibration recording. Integrated sensor, battery and memory makes it a high performance and simple solution for industrial and research applications.

When connected to a PC, the logger works as a flash memory and users can access the recorded files, software and documents. Moreover, since it has an open source software in NI LabVIEW and MATLAB/Simulink, users can develop the software according to application requirements.



Specification	Unit	Model			
		LOG 345	LOG 375	LOG 355	LOG 357
Measurement Directions	---	X, Y, Z			
Measurement Range	g	± 2/4/8/16	± 200	± 2/4/8	± 10/20/40
Frequency Range (± 3dB)	Hz	0 ~ 1000			
Output Data Rate (± 10%)	Hz	3200	3200	4000	4000
Sensitivity (on lower range)	Counts/g	256	20.48	256000	51200
Effective Number of Bits	---	10.5	10.5	12	12
Broadband Resolution (RMS Noise, 1~1000 Hz)	g	0.012 (All ranges)	0.150	< 0.001 (2g range)	< 0.004 (10g range)
Mounted Resonance Frequency	Hz	> 3000			
Non-Linearity	%	± 0.5	± 0.25	± 0.1	± 0.1
Transverse Sensitivity	%	< 5			
Operating Temperature	°C	-10 ~ +50			
Storage Temperature	°C	-10 ~ +50			
Temperature Sensitivity	% / °C	± 0.01	± 0.02	± 0.01	± 0.01
Interface Connector	---	Micro USB			
Memory Capacity	hour	40 hours 3 axis / 120 hours single axis			
Battery Capacity	hour	3 hours continuous recording (Extendable by external power supply)			
Size	mm	Max. 75(L) × 31(W) × 20(H)			
Weight	gr	70			
Case Material	---	Hard Anodized Aluminum			
Mounting	---	4 × Ø3 mm			