ENVIRONMENTAL SPECIFICATIONS

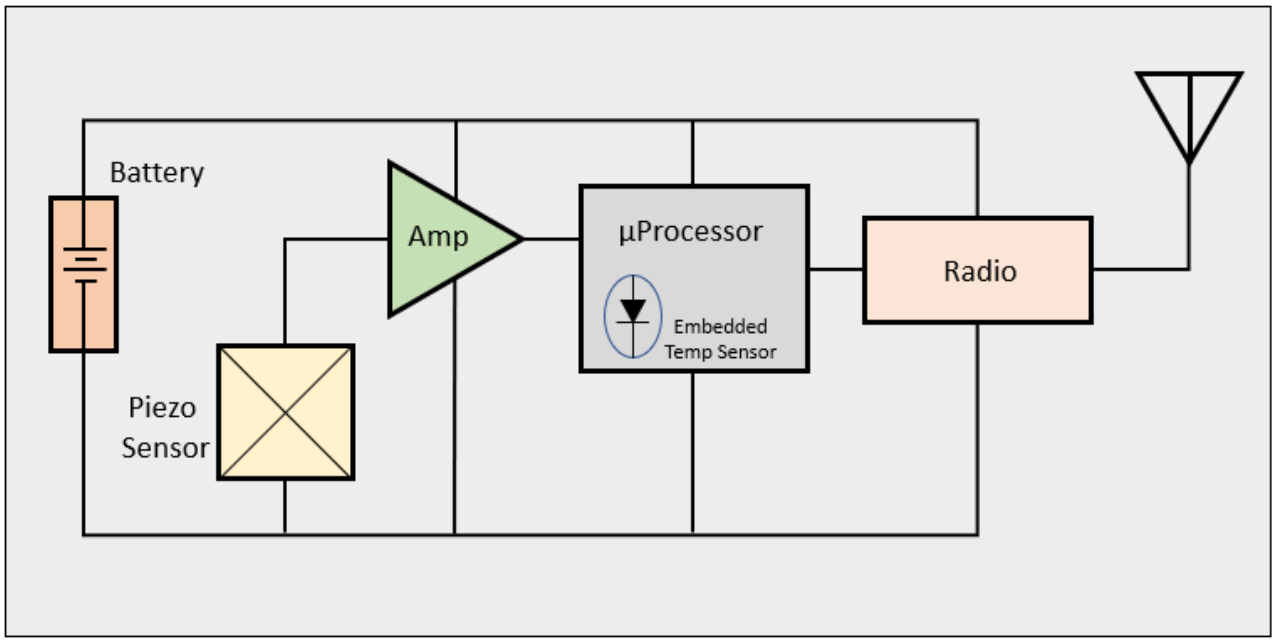
Parameter	Symbol	Min	Typ	Max	Unit	Notes/Conditions
Operating temperature		-20		60	°C	
Storage temperature		-40		120	°C	Without battery
Ambient humidity		0		95	%	Non-condensing
EMI/RFI/ESD protection			IEC61000-4-2, ICE61000-4-6			
Ingress protection	IP		66			
Media compatibility			External exposed surfaces: 316L stainless steel POM polymer EPDM o-ring			
Weight			200		grams	

COMMUNICATION SPECIFICATIONS

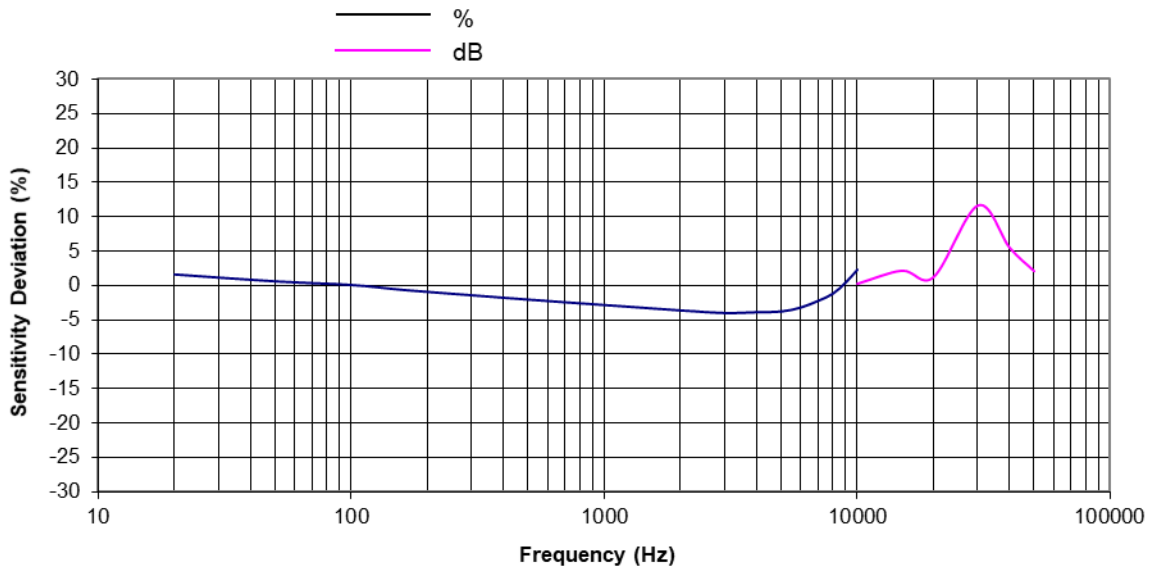
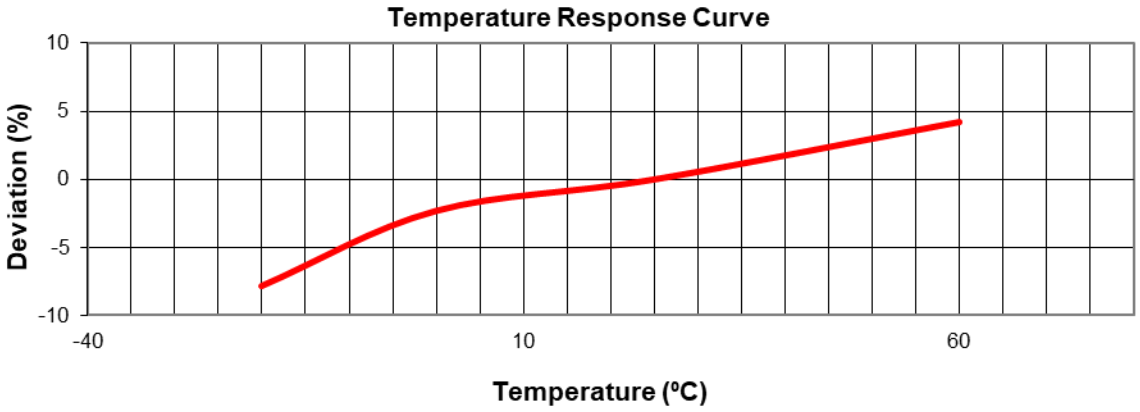
Parameter	Symbol	Min	Typ	Max	Unit	Notes/Conditions
Wireless protocol		LoRaWAN™ Class A				
Operating freq (region)(1)		868 (EU) 915 (USA)			MHz	Other frequencies available Contact factory
Transmit power			12	14	dBm	
Receiver sensitivity			-131	-137	dBm	
Activation		OTAA				
Activation keys		Factory defined				Custom keys available Contact factory

(1)Each operating frequency is part number specific

BLOCK DIAGRAM



TYPICAL ACCELEROMETER FREQUENCY RESPONSE CURVE



TYPICAL TEMPERATURE RESPONSE CURVE