## **Sound Level Sensor**



## A Features

- EU, US frequency support
- LoRaWAN 1.0.3
- MEMS microphone
- Resolution: 1 dB
- Measuring range: 40~100dB(A)
- Frequency Response: 100~10,000 Hz
- 0 to 50°C operation temperature range

The Sound Level Sensor utilizes LoRaWAN connectivity to provide to easily measure and investigate sound levels in decibels (dBA) in a variety of building environments.

Specification			
Frequency	868MHz & 915MHz		
RF TX power	US: +19dBm EU: +17dBm		
Antenna Gain	-2dBi Peak, -5dBi Avg		
RF Sensitivity	-135dBm		
Battery Type	3.6V 1/2 AA Li-SOCI2, 1200mAh		
Battery Lifetime*	Up to 16 months		
Average Current	135mA maximum / 100uA minimum		
Protocol	LoRaWAN 1.0.3		
Operation Temperature	0 to 50°C		
Environmental Rating	IP40 equivalent		
Dimensions	50mm x 20mm x 50mm		
Weight	30g without battery 40g with battery		
Measuring range	40~100dB(A)		
Frequency Response	100~10,000 Hz		
Type Approval	FCC/IC/CE		



## **Sound Level Sensor**

SKU Detail				
SKU	Country	Channels	Frequency Band (MHz)	
TBSL100-868	Europe	8	EU868 (862~870)	
TBSL100-915	USA	16	US915 (902~928)	
* Samples are also available for IN865_AS923_ALI915_KR920				

\* Samples are also available for IN865, AS923, AU915, KR920.

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