

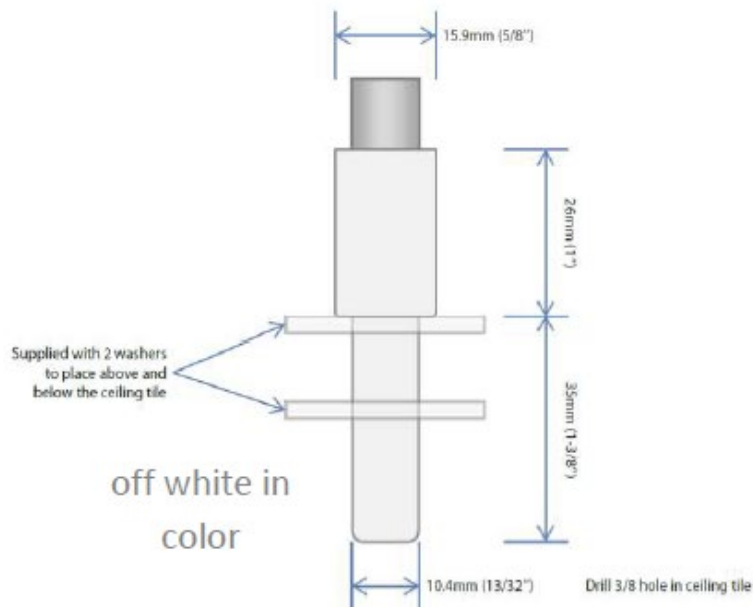
# Igor<sup>®</sup> Indoor Ambient Noise Sensor

## Model: ISAN-U-U

The Igor Indoor Ambient Noise Sensor (Model ISAN-U-U) is mounted in its own standalone plastic case and is meant to connect to a nearby Igor Node via USB. The ISAN-U-U receives power and transmits data over the USB connection.

### General

- USB power and communication, under 2.5W total power draw
- Single PCB design
- 40 to 94 dB range
- Directivity: omnidirectional, microphone located at the tip of the sensor
- One sensor covers ~1,000 sq ft



# Product Specifications

Parameter	Value
Sensitivity	-35±4 dB(0 dB = 1V/pa, 1 kHz) (See Fig. 1 example below.)
Directivity	Omnidirectional
Frequency Range	20-20,000 Hz
Diameter	3/8"
Length	2-3/4" approx..
S/N Ratio	More than 62 dB
Measurement Range	35 to 95 dB at 17 mV/Pa (See Fig. 2 example below.)

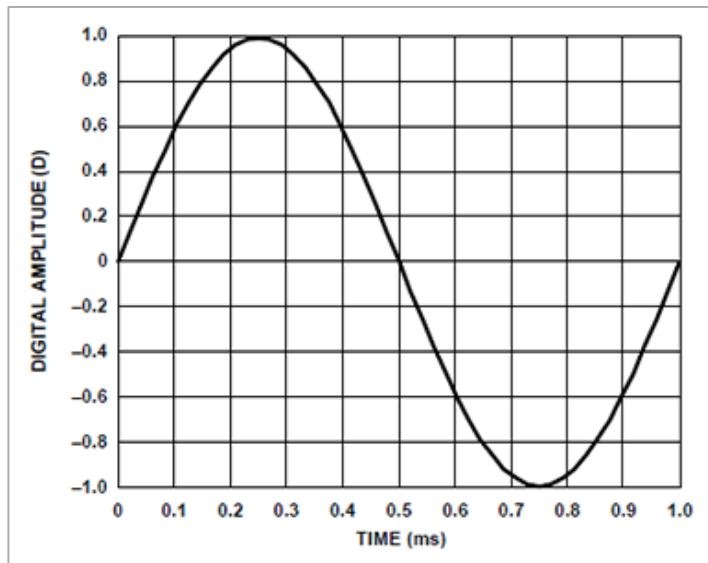


Fig. 1: 1 kHz, 0 dB FS Sine Wave

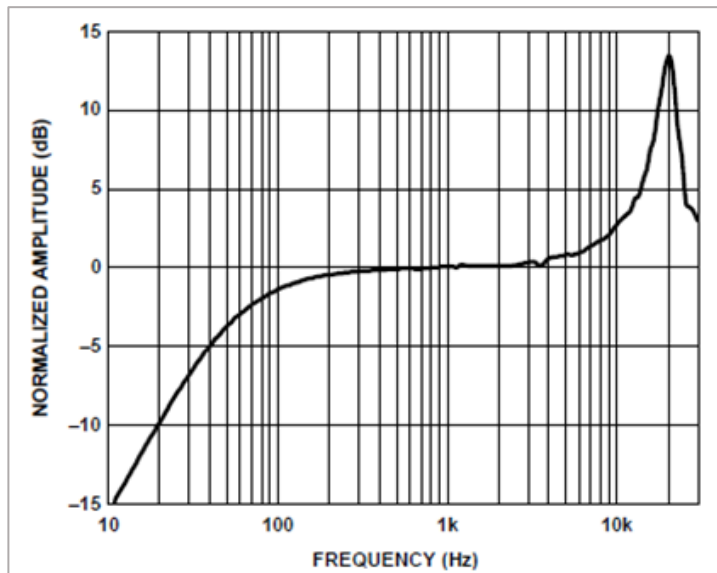


Fig. 2: Typical Frequency Response (Measured)

## Who to Contact

### Igor Technical Services

For technical assistance, please contact Igor Technical Services. Our Technical Services phone line is staffed from 7:00 A.M. to 5:00 P.M. Central time, Monday through Friday, except for U.S. holidays. If arranged in advance, we can have an engineer available during local business hours.

**Phone:** 515-661-4412 | 1-877-588-2650

**Email:** [support@igor-tech.com](mailto:support@igor-tech.com)

### Inquiries

For other inquiries, please contact us here:

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END.