

# SONISENS



The AS180 Sonisens is a smart sound level monitor designed to measure and analyse sound level readings within indoor spaces.

This automated sound level sensor can be integrated into a building network to provide continuous measurements of acoustic parameters.

The rugged design and versatile installation kit means that sound levels can be monitored discreetly in any environment.

Protect people, enhance productivity and optimize the performance of indoor spaces with automated soundscape intelligence.



## APPLICATIONS



### SMART BUILDINGS

Use sound to understand employee comfort. Gain insights into real estate usage and how to improve indoor spaces



### WORKPLACE NOISE

Monitor noise at workstations to assess the need for hearing protection and conservation



### HOSPITAL PATIENT COMFORT

Monitor sound trends in hospital wards to ensure patient recovery is not interrupted. Share automated insights across teams



### MACHINE CONDITION CHECKS

Monitor sound levels continuously to check for any change in performance. Automatically detect maintenance issues



### NOISE COMPLAINT ANALYSIS

Monitor sound levels continuously inside properties affected by noise to understand long term trends



### CONSTRUCTION NOISE

Monitor noise inside occupied parts of any building during fit out works or renovations

# SPECIFICATIONS

## SOUND LEVEL MEASUREMENT

ACCURACY	ANSI S1.4 Type 1 IEC 61672 Class 1
DYNAMIC RANGE	30 to 121 dB(A)
FREQUENCY RANGE	20Hz to 20kHz
FREQUENCY WEIGHTING	A and C weighting
PARAMETERS	LEQ, L05, L10, L50, L90, L95, LMAX

## LOGGING

MEASUREMENT PERIOD	1, 5, 10, 15 or 30 minutes
DATA STORAGE	5 years (5 minute logging)
PROCEDURE	Automatic measurement and logging

## MICROPHONE

SENSITIVITY	45mV/Pa
CONNECTION	SMB to SMB (6ft cable as standard)
MICROPHONE POWER SUPPLY	Constant current ICP, 18V, 4mA

## POWER REQUIREMENTS

MAINS POWER SUPPLY	110V - 240V AC or Power over Ethernet
SONISENS INPUT	8 - 16V DC
CONSUMPTION	2W

## COMMUNICATIONS

ETHERNET	DHCP or fixed network IP
WI-FI	DHCP or fixed User interface and/or backhaul
4G MODEM & SIM	Optional extra

