SONITUS SYSTEMS

NOISE

EM2030 SOUND LEVEL MONITOR

- Automated operation with online analysis
- Extended measurement range with remote controlled setup
- Frequency analysis tools for detailed sound source investigation
- Flexible and automated audio sample recording options
- Low power mode to extend battery life

- Continuous remote monitoring with no manual interaction
- Reliable measurement for any application
- 1/1 and 1/3 octave analysis options
- Remotely capture audio clips to identify noise sources
- Ready for long term remote measurement projects

EM2030 SOUND LEVEL MONITOR

TECHNICAL SPECIFICATION

SOUND LEVEL MEASUREMENT

Accuracy : IEC 61672 Class 1

Dynamic Range : 17 to 121dB(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

INTERFACE

The EM2030 and online interface are accessed using any standard web browser

POWER REQUIREMENTS

Power Input: 110V-240V AC

Power Consumption: 8 - 16V DC (battery option)

Maximum Current: 2.4W

COMMUNICATIONS

Wi-Fi (user interface)

4G SIM Card supplied with each monitor

MICROPHONE

Sensitivity: 50mV/Pa

Connection: BNC to BNC (3m cable as standard)

Power Supply: Constant current ICP, 18V 4mA

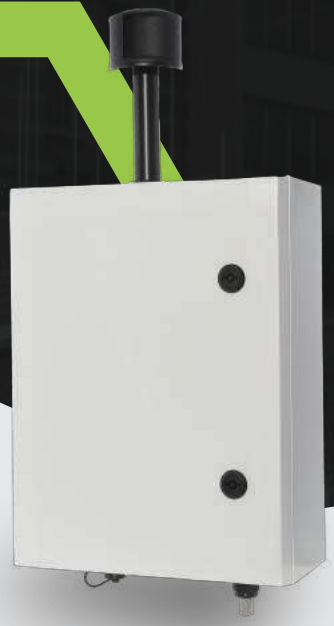
SONITUS SYSTEMS

SONITUS SYSTEMS

DM30 DUSTSENS PARTICULATE MONITOR

- Automated operation with online analysis
- Multiple measurements are taken simultaneously
- Heated air inlet
- Rugged design and construction
- Remote online reporting through the Sonitus Cloud
- Real time measurement with no interaction
- Easily collect all the data you need for compliance
- Consistent performance in all conditions
- Ready to deploy on any site
- Check compliance with limits automatically, from anywhere

DM30 DUSTSENS PARTICULATE MONITOR



TECHNICAL SPECIFICATION

PARTICULATE MEASUREMENT

Parameters: PM10, PM2.5 and PM1

Method: Optical particle counter

Measurement Range: up to 2000 µg/m3

Particulate Range: 0.35 to 40 µm

POWER REQUIREMENTS

Power Input: 110V-240V AC or 12V DC

Power Consumption: 24W with EM20 logger

Maximum Current: 2A at 12V

LOGGING

Measurement Period: 1, 5, 10, 15 or 30 minutes
Hourly and 24 hourly averages calculated online

Data Storage: 3+ years on-board memory

Procedure: Automatic measurement and logging

COMMUNICATIONS

Wi-Fi (user interface)

4G SIM Card supplied with each monitor

ENCLOSURE

Dimensions: 400 x 300 x 150mm with 180mm inlet

Weight: 7kg with EM20 logger

Operating Temperature: -10 to 50 °C

Humidity Range: 0 to 95% RH

INTERFACE

The user interface is accessed over WI-FI using any web browser. All readings are automatically uploaded to the Sonitus Cloud reporting platform.

SONITUS SYSTEMS

Automated Noise and Dust Monitoring

Simple environmental compliance

DM30N Sitesens

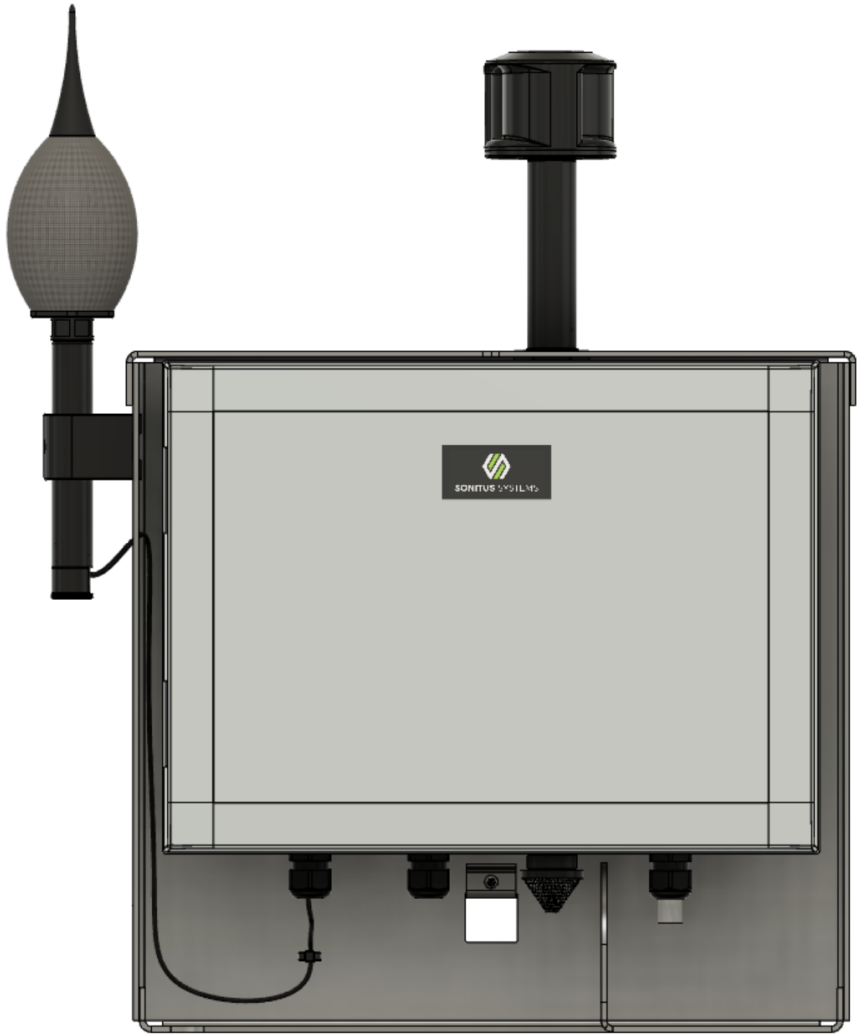
SONITUS SYSTEMS

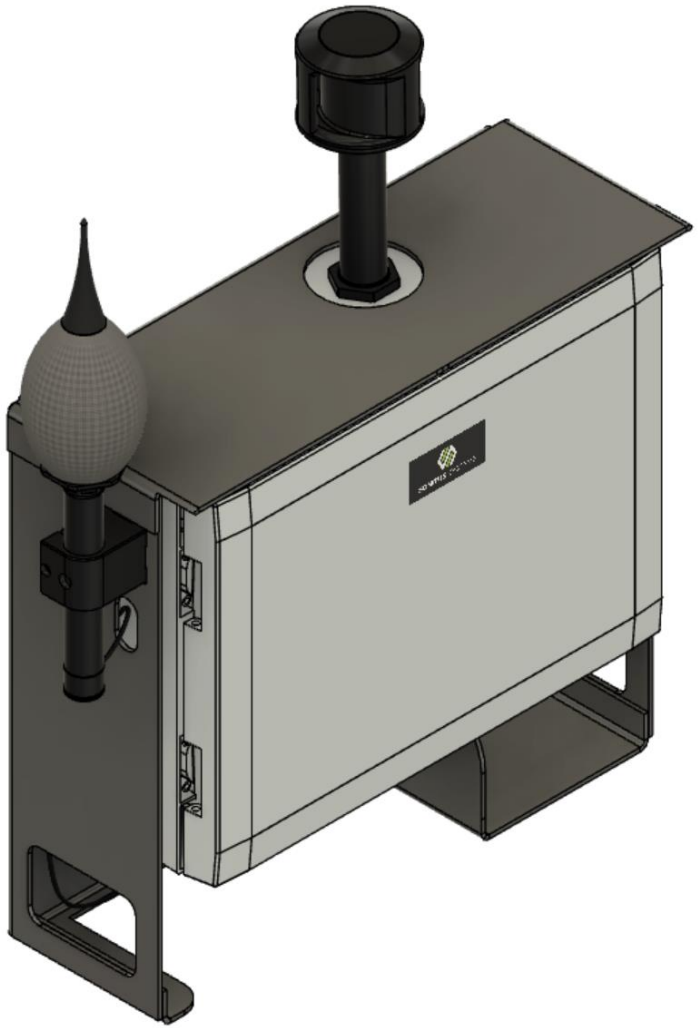
SONITUS CLOUD

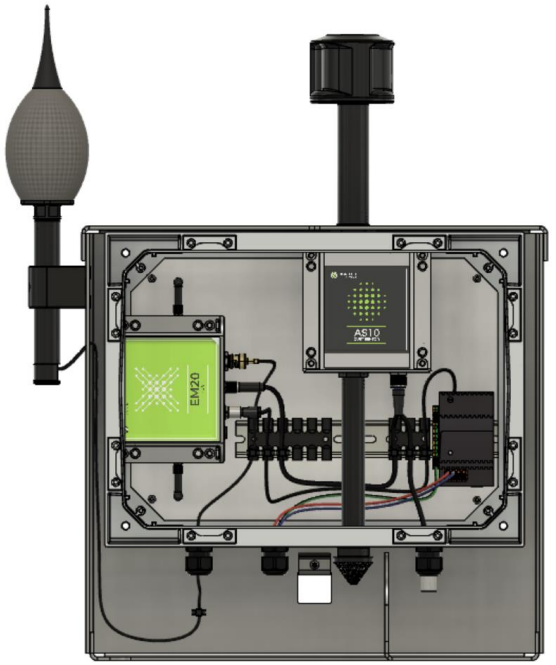
- Automated measurement equipment
- Designed for long life in tough environments
- Meets relevant international standards
- Online analysis

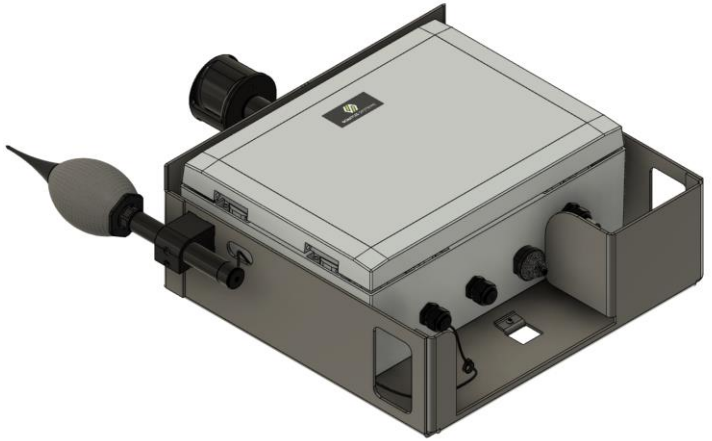
Combined sensing – all your data – one device

Combined sensing – all your data – one device



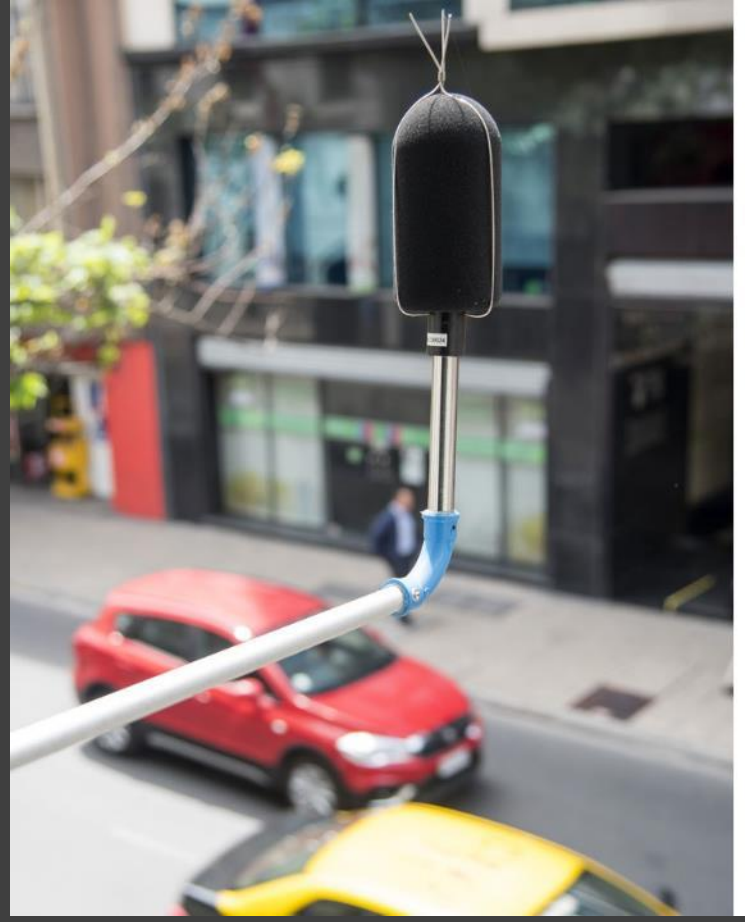


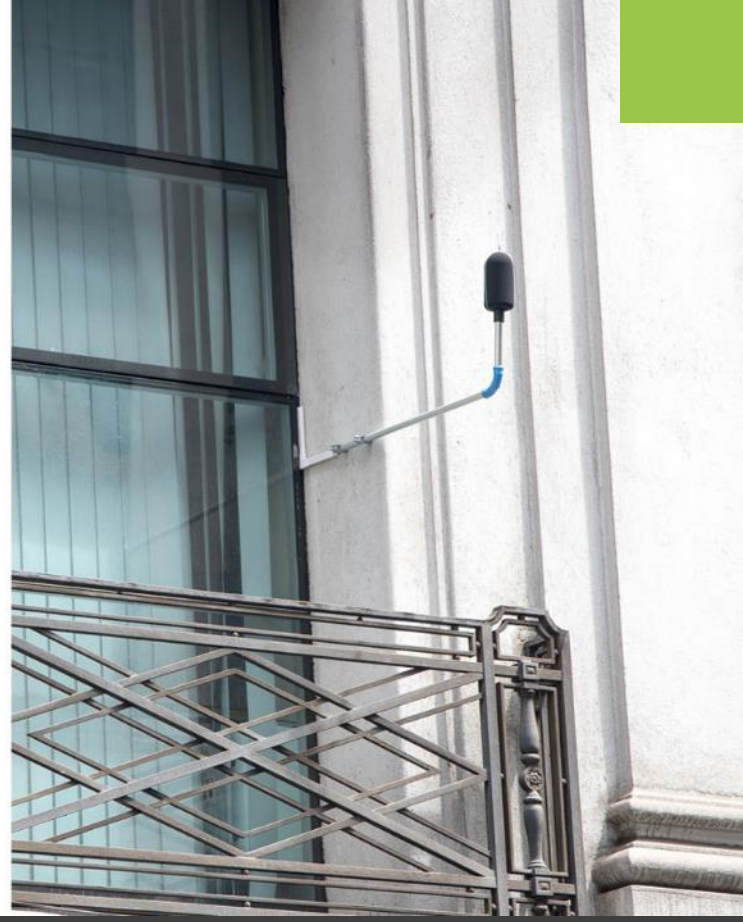




Combined sensing – all your data – one device

Microphone can be attached or mounted separately up to 10m away.





Construction

Manufacturing Industry

Smart Cities

Sonitus Cloud

https://youtu.be/EONJUivxCEQ

Link: https://app.sonitussystems.com

Username: demo@sonitussystems.com
Password: demo4321

SONITUS SYSTEMS

Contact Us

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Installation options

Partner Support Material

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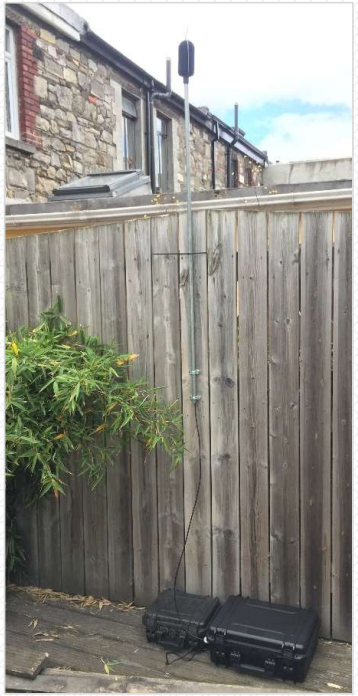
Example Installations - Pelicase

Deployed in pelicases, usually with a battery pack.

Batteries should be 12V and a 40Ah battery will last approximately 10 days.



Example Installations - Solar

Solar installations from Australia, Ireland and the UK.

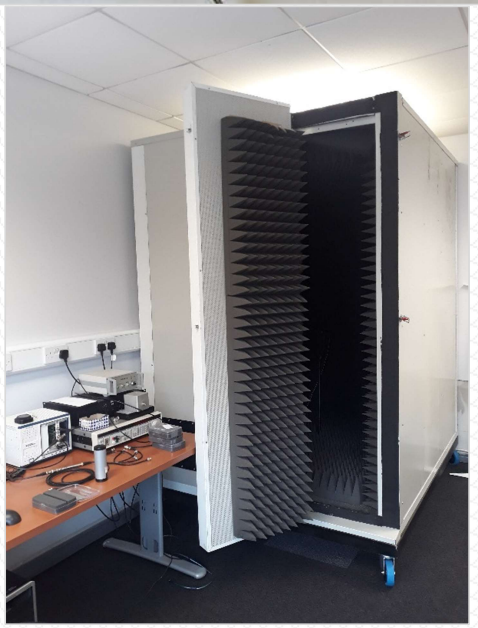
150W solar panel

Example Installations - Cabinet

Cabinet installations either with mains power or batteries.

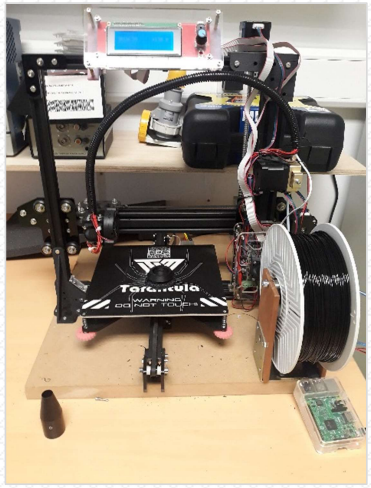
All mounting accessories can be provided.

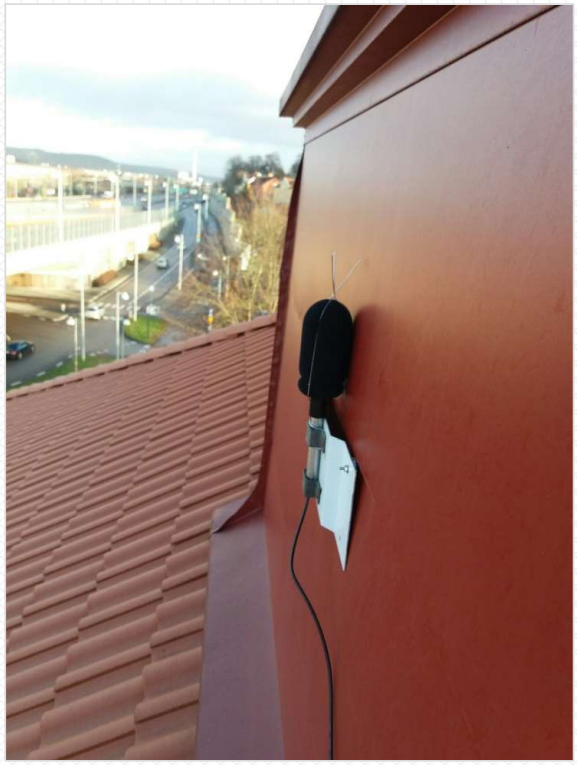
Custom Installations



Custom parts can be manufactured and supplied to let customers meet standards or regulations in each country.

We have 3D printing facilities and a full anechoic chamber for prototype testing and we are happy to explore new ideas.





Tech support queries:
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