

Honeycomb web platform

Vibration & Sound monitoring and reporting platform

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Honeycomb is Omnidots' cloud based web platform which allows you to access, view and export your measuring data and to configure your SWARM settings. You can access Honeycomb 24/7 from any location or device worldwide. One of the main advantages of Honeycomb is that it offers remote access to measurement data and allows for remote configuration of the SWARM. This saves time and manpower.

Installing a SWARM Vibration or SWARM Sound monitor at a construction site is quick and easy: simply mount and power the SWARM monitor. You can configure your SWARM remotely—before, during, or after installation—using a laptop, smartphone, or tablet.

Once mounted and configured, your SWARM begins measuring, allowing you to start monitoring immediately. The SWARM automatically sends measurement data via 4G/LTE or WiFi to Honeycomb. With just a touch of a button, you can export your measurement data to PDF, CSV and Excel overviews. You can also easily set up alarms on Honeycomb. Alarms can be configured at three levels, and exceedance notifications will be send out by email or SMS. Honeycomb can also send out automatically generated reports daily or weekly by email to multiple recipients.

There is so much that Honeycomb is capable of. Honeycomb is very user-friendly and efficient. Ease of use and quality of measurements are our main focus.

Get your free demo account today at honeycomb.omnidots.com.

















Honeycomb is part of the Omnidots all-in-one total solution for monitoring and reporting vibrations.

<https://omnidots.com>



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- **Vibration:** ISEE 250Hz, SBR-A 2010, DIN4150-3 80Hz, SBR-A 2017, BS7385 250Hz and Circulaire du 23/07/1986, SBR-B and DIN4150-2.
Sound: IEC 61672, ANSI S1.43 class 1 tolerances met.
Air: MCERTS applicable.
 -  SWARM calibration reports
 -  SWARM status, battery status and GPS location
 -  Notifications and alerts on Honeycomb, via email and SMS to up to 50 recipients regarding: threshold exceedance, online/offline SWARM, SWARM battery status and custom notifications.
-  Wireless data transfer
 -  Remote monitoring from anywhere in the world, at any time and from any device
 -  API
 -  Multi user, option to share read-only data with third parties
-  Remote SWARM configuration
 -  Automatically generated daily or weekly reports per e-mail
 -  Archive measuring points
-  User friendly
 -  Over-the-air product innovations and rolling updates
 -  Integrated manual
 -  Live tech support of Honeycomb developers (8:00 AM - 5:00 PM CET)
 -  Extremely well secured and redundant, your measurement data is safe

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Supported languages

-  English
-  Dutch
-  German
-  French



Specifications | SWARM Vibration

Graphs	Velocity-time, Velocity-frequency, Acceleration/time, Veff,max/time, VDV/time, traces
Displays	PPV, PPA, PVS, Veff(max), Vper, KBFmax, KBFTm, Velocity traces, FFT
Velocity	Peak Particle Velocity
Acceleration	Peak Particle Acceleration
Frequency	Dominant frequency
Traces	1000 samples per second
Number of traces	Unlimited
Data storage	Secure data centre
Data export	PDF, CSV, Excel

Alarm settings

Graphs	Velocity-time, Velocity-frequency, traces
Displays	PPV, PVS, Velocity traces, FFT
Alarm levels	3

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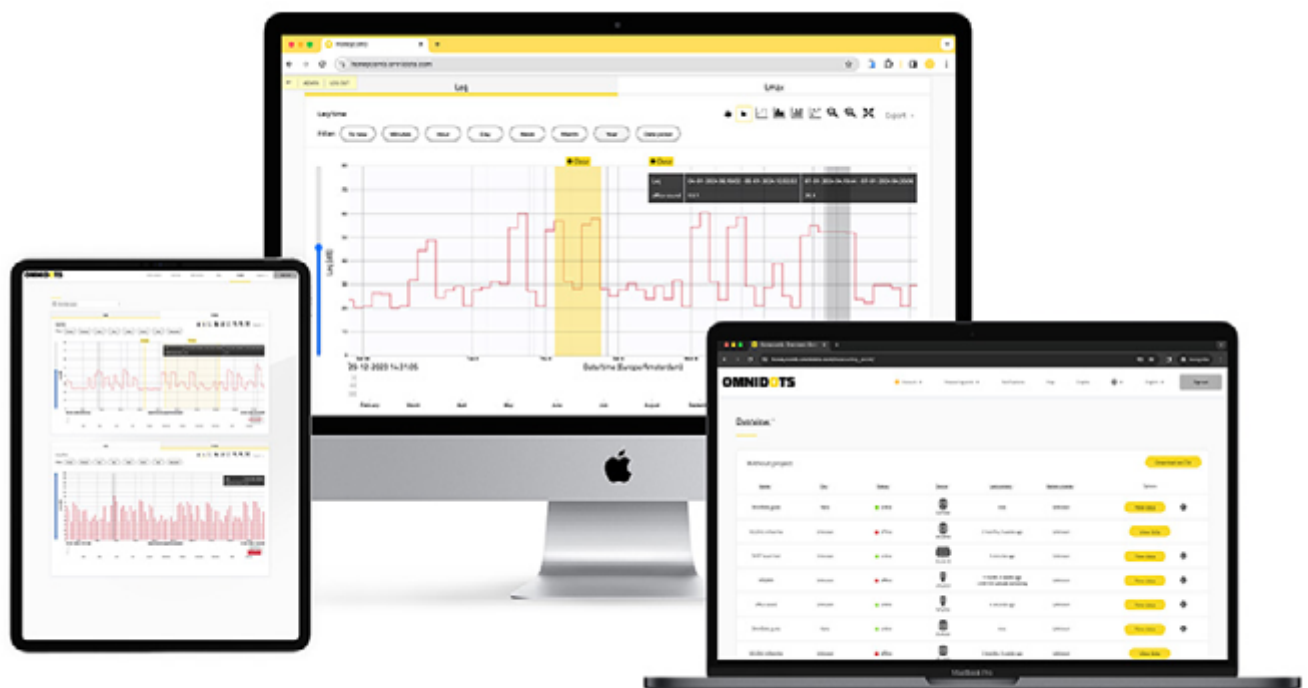
Specifications | SWARM Sound



Graphs	Leq, Lmax, Lmin, Daily values, Lden, Lpeak, Ln (L10, L50, L90)
Displays	Leq, Lmax, Lmin, Daily values, Lden, Lpeak, Ln (L10, L50, L90)
Frequency range	10Hz - 20 kHz
Frequency weighting	A, B, C, Z
Time Weighting	Fast, Slow
Dynamic range	26 dB - 133 dB
Audio recordings	8 second fragments
Data storage	Secure data centre
Data export	PDF, CSV, Excel

Alarm settings

Triggers	Lmax, Leq, Lden
Type	E-mail, SMS, personal dashboard



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Specifications | SWARM Air (formerly DUST)



Graphs	1, 15, 30, 60 mins and 24 hour aggregates for PM1, PM2.5, PM10 or TSP (Total Suspended Particles)
Displays	1, 15, 30, 60 mins and 24 hour aggregates for PM1, PM2.5, PM10 or TSP (Total Suspended Particles)
Measurement range	0 to 100,000 µg/m3
Measurement sensitivity	1 µg/m3
Flow rate	2.0 liters/minute ± 0.1 lpm

Data storage	Secure data centre
Data export	PDF, CSV, Excel

Alarm trigger level

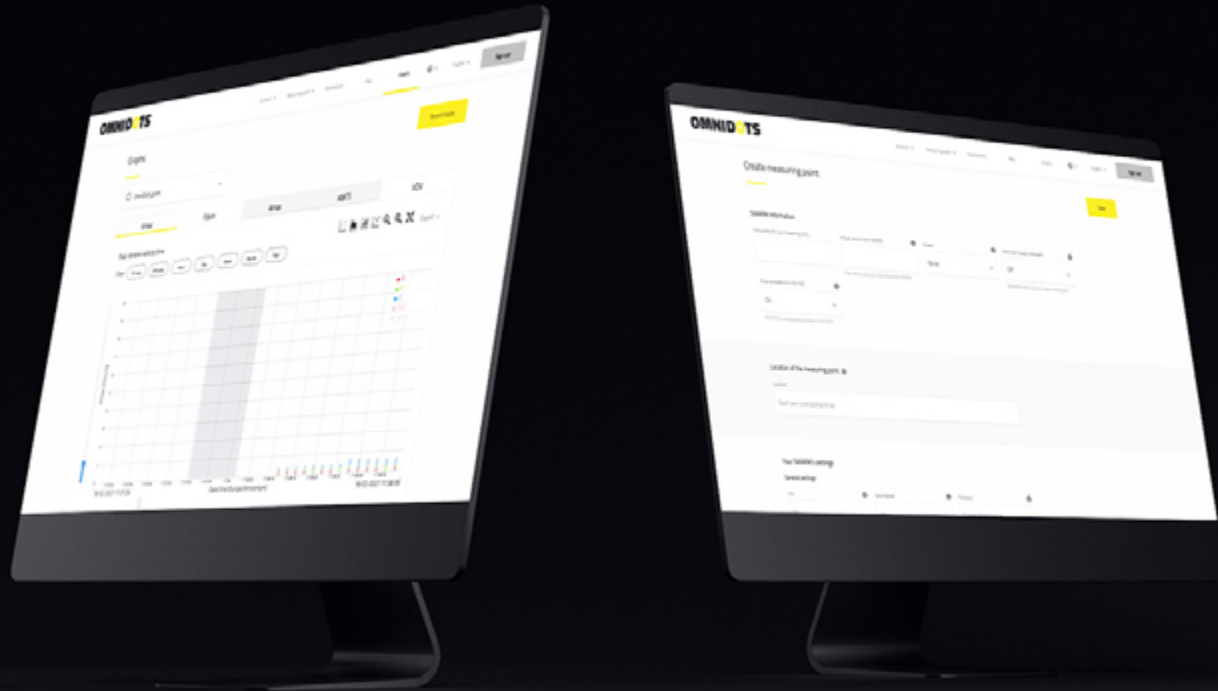
Range (concentration)	> 50 µg/m3
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Alarm settings

Message type	E-mail, SMS, personal dashboard
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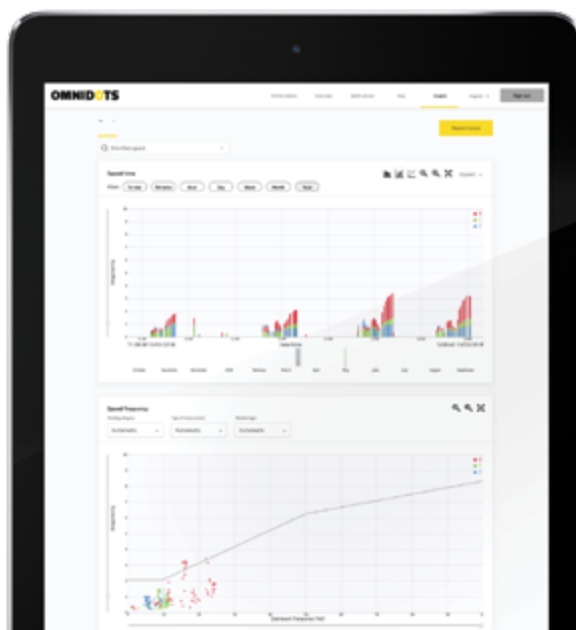
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Dealers

Honeycomb contains all dealer information, such as manuals, marketing info and the ability to manage end customer subscriptions. As a dealer you will also receive your own URL to access Honeycomb and you can personalize Honeycomb with your own logo.



WIRELESS DATA TRANSFER

WIFI
4G/LTE
Secured Tier III + data center

API

For easy integration into
third-party platforms

