



### Revolutionizing Environmental Sensing with Molecular Detection and Spatial Awareness

The Olfactory Detection and Ranging (OdAR) system represents a significant advancement in environmental sensing technology, combining chemical detection capabilities with precise spatial awareness. At its core, OdAR employs an array of specialized gas sensors—including Metal Oxide Semiconductor (MOS) sensors and Conducting Polymer (CP) sensors—that work in concert to detect volatile compounds with remarkable...

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⌚

Pump Flow Rate

450

ml/min

🌐

Ranging System

Active

🔋

Battery

87

%

🌡️

Ambient Temperature

23

°C

#### Odor Detection Map

Live Data

Point View

ⓘ

System Status

Active

🔋

Battery Level

85%

🌡️

Temperature

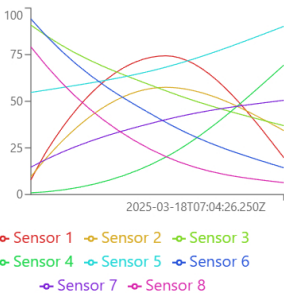
26.0°C

📷

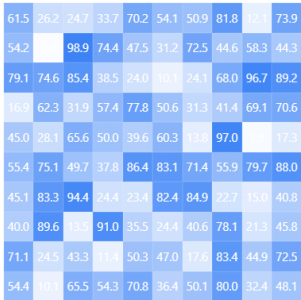
Active  
Detections

0

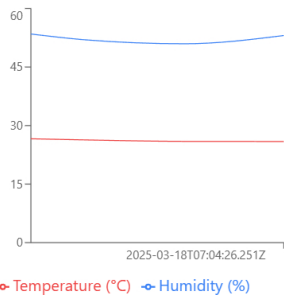
#### Sensor Readings



#### Concentration Heatmap



#### Environmental Conditions



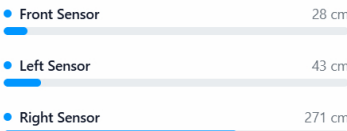
#### Detection Log

Time	Compound	Concentration
No detections recorded		

#### System Messages

No system messages

#### Ultrasonic Range Data



Triangulated Position1.4m @ 32°

#### Control Panel

⚙️

Operating Mode

Standard

Energy Saving

High Sensitivity

🗑️

Pump Flow Rate

200 mL/min

400 mL/min

600 mL/min

800 mL/min

📅

Sampling Rate

1 Hz

5 Hz

10 Hz

Export Sensor Data