

MSEM™ 1400



Fixed-Site Odor Monitor

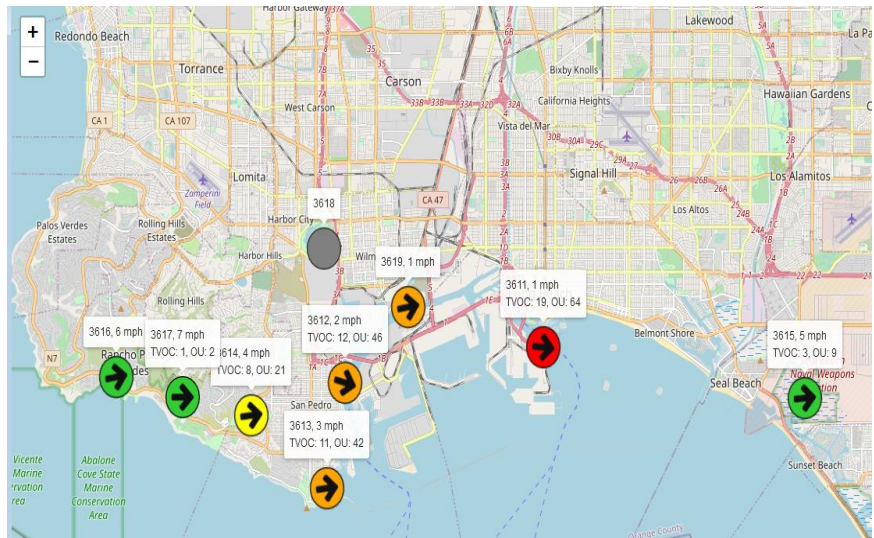
For over 15 years the **Sensigent team** has produced electronic nose instrumentation for odor and chemical measurement, starting with the worlds' first handheld **eNose®**, the **Cyranose® 320**. Sensigent's proprietary sensor and data fusion software technologies are backed by **60 patents** in the US and worldwide.

The **MSEM™ 1400** is a low-cost **Odor Monitor** for fixed-site installation. It is solar powered with battery backup for extended operation in most environments. The recorded signals and alerts are reported via local cellular network (3G/4G) to the Sensigent **MSEM Cloud** for viewing, download and analysis. The Sensigent MSEM Cloud can be hosted on your local server (**for free; no subscription!**) to access your data privately and securely.

An integrated weather station (wind speed and direction) and options for communications (WiFi, 900 MHz, 2.4 GHz secure radio) and power (100-240 VAC, street lights, car parks) are available for custom configurations. The solar panel and battery are sized (25-100 W) for your local conditions.

The **MSEM 1400** is shipped ready for integration in wireless

networks accessed by the Sensigent MSEM Cloud and existing network infrastructure via the Sensigent Gateway. This facilitates installation with Sensigent's **MSEM 3200 IOMS** instruments and multiple **MSEM 1400** Odor Monitors to provide wide area coverage from sources to fencelines and beyond.



MSEM 1400 Key Features and Benefits

- Low cost **eNose** for continuous odor monitoring 24/7/265 and data logging
- Measures in odor units (OU/m³) and ppm for odors, mixtures and chemicals
- Built-in AI software learns the local chemical environment to detect anomalies
- Sensor data output ready for input to GIS and plume event tracking software
- Easily integrated with **MSEM 3200 IOMS** and existing wireless sensor networks
- Solar powered with built-in 3G/4G/5G cellular communications or other options