

# MSEM™ 3200



## Fixed-Site Multi-Sensor Environmental Monitor

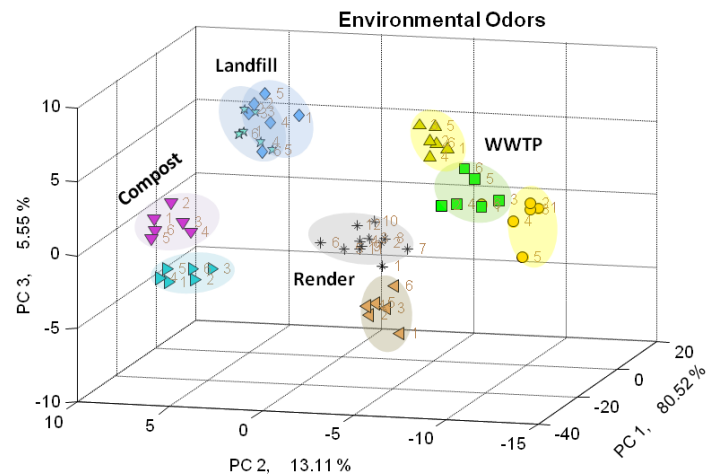
For over 15 years the Sensigent team has produced electronic nose instrumentation for odor and chemical measurement, starting with the worlds' first handheld eNose®, the Cyranose® 320. Sensigent's proprietary sensor and data fusion software technologies are backed by 60 patents in the US and worldwide.

The MSEM™ 3200 Instrumental Odor Monitor System (IOMS) combines multiple arrays of advanced electronic nose sensors and other sensors modalities with multi-sensor data fusion algorithms for simultaneous measurement of specific gases and vapors (ppb-ppm) and the Odor Intensity (OU/m<sup>3</sup>). Sensigent's ODOR ID™ technology identifies specific odor sources even in complex mixed-use industrial areas. The IP65 NEMA 4X housing provides 24/7/365 monitoring in all conditions. Typical installations are petroleum refining and storage, asphalt production, incinerators, composting, landfills, paper mills, smelters, foundries, rendering, waste water treatment, animal feed lots and mixed use industrial areas that contain multiple odor-generating operations.



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The MSEM 3200 reports signals and alerts via local cellular network (3G/4G/5G) or secure radios (900 MHz, 2.4 GHz) to the Sensigent MSEM Cloud for viewing, download and analysis. Sensigent's MSEM Cloud can be hosted on your local server for private access to your data. The MSEM 3200 platform is extensible to infrared (NDIR, FTIR), ultraviolet (UV) and other sensors to provide industry-leading performance for regulated chemicals (BTEX) and odors. Custom sensor and communications configurations are made to the requirements of each installation.



### MSEM 3200 Key Features and Benefits

- IOMS with odor intensity calibration (OU/m<sup>3</sup>) per international standards (EN, ASTM)
- ODOR ID™ with inputs to dispersion models for odor plume monitoring and tracking
- Continuous 24/7/365 odor and chemical monitoring and data logging
- Cellular 3G/4G/5G standard with 2.4 GHz, 900 MHz radios per EU/US standards
- 100-240 VAC line power or solar power with battery-backup for remote locations
- Field-replaceable air filters extend sensor performance in harsh environments