



# SCENTROID ODOTRACKER

## ULTRA-SENSITIVE DUAL CHEMICAL LOGGING

**S**centroid OdoTracker is a multi-sensor device that measures the concentrations of two chemicals in ambient air at the same time. The chemicals to be measured by the device are specified at the time of ordering. For example the user may specify the measurement of Hydrogen Sulphide (H<sub>2</sub>S) in ppb level and Ammonia (NH<sub>3</sub>) in ppm level. The instrument logs the chemical measurements as well as temperature and humidity of the sample, GPS location and automatically transfers all data to the user's supplied smart Android device via Bluetooth.

### ► CAPABILITIES

The Scentroid OdoTracker includes a sampling pump, two chemical sensors that are specified at the time of ordering, and Scentroid's OdoTracker Application that can be loaded to any customer supplied Android phone/tablet.

For each sample location, Scentroid instantaneously records:

- The concentration of two chemical vapours in ppm or ppb depending on sensors ordered (See table below for sensor ID's detail that can be selected in any combination of two at time of ordering. Note that DR8-P1 and DR8-P2 Total VOCs – PID sensors can be specified at a nominal additional charge at the time of ordering)
- Measure Temperature and Humidity
- Record GPS position of each measurement
- Measure directly from ambient air
- Can record continuously for remote monitoring via Bluetooth

### ► COMPLETE ODOUR ASSESSMENT

OdoTracker can be used to record chemical vapours, along with the intelligent personal olfactometer SM100i to do odour concentration measurements, providing simultaneous measurements on one Android device.



### ► INCREASED SAFETY

OdoTracker will provide the user with a constant reading of the ambient air providing an added protection from over exposure to chemical vapours such as hydrogen sulphide.



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Manufacturer	SCENTROID
Model	OdoTracker
Measurement range	Range depends on sensors selected as shown below.
Initiation time	2 min
Settling time	0.5 seconds
Pressure range	80 -120 kPa
Additional parameters measured	Temperature, Relative Humidity, GPS position
Battery Life	24 hours
Temperature range	-30 to 50 degrees C
Weight	745g



## ➤ MEASURING ODOUR LOSSES

Laboratories can utilize the Odotracker to manage odour losses in sample transportation and storage. For example H<sub>2</sub>S and NH<sub>3</sub> readings after sampling and before olfactometric analysis will allow the laboratory determine the level of odour losses and determine if the sample is still valid.

## ➤ OPTIONAL CONTROLLING MODULE

Odotracker can accommodate an optional controller module that has a 10 amp dry contact relay output to signal if the summation of the customer specified combined scaled chemical readings exceeds a customer specified threshold setting. This relay contact can be used to trigger alarms or switch on ventilation fans, chemical scrubbers or other devices when a combined scaled chemical concentration for the two sensors is reached. A hysteresis span is provided for relay triggering and non-triggering.



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