SCENTROID ODOTRACKER

ULTRA-SENSITIVE DUAL CHEMICAL LOGGING

Scentroid 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 (H2S) in ppb level and Ammonia (NH3) in ppm level. The nstrument 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 TR8 includes a sampling pump , two (2) 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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SPECIFICATIONS

TR8

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 H2S and NH3 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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SCENTROID POLLUTRACKER TR8+

Scentroid Pollutracker TR8+ is a complete air quality mobile laboratory. This instrument allows the user to measure hundreds of chemicals using up to 10 sensors and analyzers including Photo-Ionization Detectors (PID) sensors, Non-dispersive Infrared (NDIR) sensors, Electrochemical and Metal Oxide sensors. Pollutracker includes, Built-in 10" touchscreen interface, On device data logging and wireless transfer via email, Remote (internet based) firmware update, Built in sampling pump, Simultaneous data analysis of all gases, Built-in rechargeable battery, On-screen Calibration Procedure and External decontamination device.

Pollutracker TR8+ Applications

- Measure ambient H2S, NH3, Total VOC, and other chemical concentrations.
- Determine H2S, NH3, VOCs, and other chemicals emissions from various types of sources
- Determine emission trends through 24+ hour data loging
- Verify sample loss due to transportation
- Validate dispersion models through emission measurements

Pollutracker TR8+ Capabilities

The Scentroid Pollutracker includes a sampling pump with adjustable sampling rate, up to 10 chemical sensors that are specified at the time of ordering, and Scentroid's Pollutracker Application that can be loaded to any customer supplied Android phone/tablet. For each sample location, Scentroid instantaneously records:

- The concentration of up to 10 chemical vapours in ppm or ppb depending on sensors ordered (See table on the other side for sensor detailes)
- Measure Temperature and Humidity
- Record GPS position of each measurement
- Measure directly from ambient air
- Can record continuously for remote monitoring via Bluetooth

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TR8+ TR8

AVAILABLE SENSORS

Sensor ID	Chemical	Range	Lowest Detection	Resolution (ppm)
CD1	Carbon Dioxide - High Concentration	5,000 to 900,000 ppm	5000 ppm	100 ppm
CD2	Carbon Dioxide - Low Concentration	0-5000ppm	0 ppm	15 ppm
CO1	Carbon Monoxide (low Concentration)	500 ppm	15 ppm	5 ppm
CO2	Carbon Monoxide (high concentration)	10000 ppm	250 ppm	20 ppm
C11	Chlorine	20 ppm	200 ppb	20 ppb
E1	Ethylene Oxide	0-100 ppm	1 ppm	0.1 ppm
H1	Hydrogen	0-5000 ppm	1 ppm	0.8 ppm
HCL1	Hydrogen Chloride	100 ppm	0.1 ppm	0.1 ppm
HCY1	Hydrogen Cyanide	100 ppm	0.1 ppm	0.1 ppm
AM1	Ammonia	100 ppm	0 ppm	1 ppm
ON1	Ozone and Nitrogen Dioxide	O3- 20; NO2- 20 ppm	0 ppb	15 ppb
PH1	Phosphine (low Concentration)	10 ppm	0 ppm	30 ppb
PH2	Phosphine (high Concentration)	2000 ppm	5 ppm	2 ppm
HS1	Hydrogen Sulfide (low Concentration - ppb)	1 ppm	3 ppb	1 ppb
HS2	Hydrogen Sulfide (high Concentration - ppm)	2000 ppm	1 ppm	1 ppm
NO1	Nitrogen Oxide	100	0 ppm	0.1 ppm
CH1	Carbon Monoxide and Hydrogen Sulfide	CO 0-1000, H2S 0 - 100 ppm	0 ppm	CO 1, H2S 0.25 ppm
E2	Ethanol	0-500 ppm	0 ppm	1 ppm
MT1	Methane (LEL)	0-100% LEL	0 ppm	1% LEL
NC1	Nitric Oxide (low Concentration)	20 ppm	0 ppm	80 ppb
NC2	Nitric Oxide (High Concentration)	5000 ppm	0 ppm	1 ppm
ND1	Nitrogen Dioxide (Low Concentration)	20 ppm	0 ppm	0.02 ppm
ND2	Nitrogen Dioxide (high Concentration)	200 ppm	0 ppm	0.1 ppm
O1	Oxygen	0-20%	0 ppm	0.10%
O2	Oxygen	0-100%	0 ppm	1%
PD1	Total VOCs (ppb) - PID	50 ppm (isobutylene)	0 ppm	1 (ppb isobutylene)
PD2	Total VOCs (ppm) - PID	300 ppm (isobutylene)	1 ppm	0.1 (ppm isobutylene)
SD1	Sulfur Dioxide (high Concentration)	2000 ppm	0 ppm	2 ppm
SD2	Sulfur Dioxide (low Concentration)	20 ppm	0 ppb	20 ppb
FM1	Formaldehyde	10 ppm	0.01 ppm	0.01 ppm
PM 1-10	Particulate PM 1, 2.5, 10	0-10,000 Particles/Sec	PM 1	N/A