



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 logging
- 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 details)
- 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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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 Sulphide (low Concentration - ppb)	1 ppm	3 ppb	1 ppb
HS2	Hydrogen Sulphide (high Concentration - ppm)	2000 ppm	1 ppm	1 ppm
NO1	Nitrogen Oxide	100	0 ppm	0.1 ppm
CH1	Carbon Monoxide and Hydrogen Sulphide	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

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