

SCENTROID

FUTURE OF
SENSORY
TECHNOLOGY

SL50 SCENTINAL

Compact Air
Quality & Odour
Monitoring
Station



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SCENTINAL SL50

PRODUCT SPECIFICATIONS



An Industrial Air Quality Monitor!

The Scentinal monitoring station has been designed to collect data from a variety of sensors and present the sensor data in an easy to understand graphical interface. With an operating temperature range of -50°C to 80°C, the Scentinal has been built to withstand a wide array of scenarios! The flexible intelligent station allows live monitoring of plant emissions on Scen-troid's cloud servers. Odour emission is reported in OU/m³, calculated using Scentroid's deep learning algorithm.



Detected gases

H₂S, SO₂, CO₂, CO, Cl, C₂H₄, H₂, HCl, HCN, NH₃, O₃, NO₂, PH₃, O₂, CH₄, NO, VOCs and more



Communication

3G/4G, WiFi, Modbus, LoRa



Daily Maintenance

Automatic cleaning and decontamination of all lines every 24 hrs.



Plug and Play installation

Sensors record their GPS position. Once powered, the central computer will know the exact location of the unit, even when moved



Built-in Data Storage

Temperature, humidity, GPS, sensor data, noise, radiation, PM1, 2.5, 10, and odour data stored for 1 year



Temperature range

-50°C to +50°C with HVAC
-50°C to +80°C with CHVAC



Reporting Standards

Traceable back to international standards e.g. USEPA (40 CFR Part 53) and EU (2008/50/EC)



Cloud Access

Unit can be accessed on location or remotely using encrypted cloud based hosting



Flexible Sensing and Modular Design

Scen-tinal can be customized to fit a wide range of applications. Users can select from a list of over 50 sensors to monitor gas pollutants, dust, meteorological conditions, noise, and even radiation. Scen-tinal can monitor emissions from a stack, sample from ambient air, or measure indoor air quality. Communications modules such as Modbus and BACnet allow Scen-tinal to be integrated into industrial plants and central monitoring stations.



SIMS 2.0 Program

Graphic emission representation and reports are generated with the click of a button!

No Power? No problem!

The Scentinal SL50 can run on solar generated energy!

