



SL50 Scential

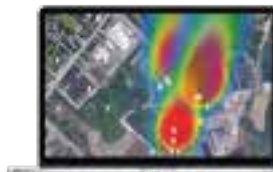
Air Quality and Odour Monitoring Station

The Scential 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 Scential has been built to withstand a wide array of scenarios! The flexible intelligent station allows live monitoring of plant emissions on Scentroid's cloud servers. Odour emission is reported in OU/m^3 , calculated using Scentroid's deep learning algorithm.

Flexible Sensing and Modular Design

Scential 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.

Scential can monitor emissions from a stack, sample from ambient air, or measure indoor air quality. Communications modules such as Modbus and BACnet allow Scential to be integrated into industrial plants and central monitoring stations.



SIMS3

Sensor Information Management System

sensor information management software, is our all-inclusive software used to view and analyze historical data, run diagnostics, make predictions, and configure various settings for your supported Scentroid device.

Dimensions, Weight	610 mm x 508 mm x 200 mm, 36.7g
Max. # of Sensors	20
Type of sensors	PID, NDIR, EC, Laser Particulate counter, and MOS
Sampling rate	1 per minute
Sampling Conditions	-50 to 50°C and 10 to 90% RH (without Pre-Dilution System) -50 to 120°C and 0 to 100% RH (with Pre-Dilution System)
Temperature Range	0 to 35° (without AC) -50 to 50° (with heating and AC)
Communication	3G / 4G (default), LAN (default), WiFi
Power Requirements	100-240v 50/60 Hz 2A
Power Consumption	30w without AC unit / 150w with AC unit
Calibration	Manual: Using calibration gas and on-board screen Automatic: Optional, using build-in calibration gas
Mounting	Wall mounting hardware Included
Cabinet	NEMA 4X
On-Board Data Storage	64GB SD Card
User Interface	7" Touchscreen on panel door and remote access to SIMS3



Minimal Operating Cost

Self purging & automated calibration for continuously high accuracy and reliability reading



Plug & Play Installation

SL50 Scential are preloaded with a SIM card and GPS tracking, just need to mount it to a wall/pole and plug in the power cable to start



Performs AI Compensation

The temperature and humidity compensation utilized by our AI modeler is able to predict pollutant levels to 96% of true concentration



No Power? No Problem!

The SL50 Scential features an optional on solar power generating system



One Platform for All Units

Each Scential unit has a GPS positioning and multiple units can be monitoring at our software with flexible connectivity



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