HW20
HVAC Warden

World's Smartest HVAC Companion

The Scentroid HVAC Warden will keep your facility occupants safe by providing real-time air quality monitoring based on high accuracy detection of dangerous gases, including the temperature and humidity of the sample.

HVAC Compatibility
The Warden is compatible with BACnet systems, modbus, current and voltage output

Suits Any Facility Size
Scalable network of HVAC Warden units possible based off of facility size

Cost Conscious Design
Low cost, easy maintenance and calibration, promotes energy efficiency with HVAC

Your Safety in Mind
Features an option to trigger a notification when indoor air quality reaches dangerous levels

Quiet Functionality
HVAC Warden was designed with indoor environments in mind

Data Storage
Data can be stored locally using a built-in SD card

Add Safety & Energy Efficiency to Your HVAC System!

The warden helps to reduce energy costs by sending monitored information to the building's ventilation system control system and then optimizes air change rates. This energy-saving concept was designed for hospitals, laboratories, and university research centres with high air change rates per hour.

Customized to Suit Your Environment

Based from your facilities' needs, the HVAC Warden can be customized to detect over 60 polluntants as well as particulates PM1, 2.5 and PM10. The chemicals to be measured by the Warden are specified at the time of ordering based on each application. Users can even download AQ Data and performance.

Max. # of Sensors	10 (4xEC, 1xCO2, 1xPID, 1xCH4, 1xPM, T, RH, Barometer)
Type of sensors	PID, NDIR, EC, Laser Particulate Counter, Temperature and Relative Humidity, and barometric pressure
Sampling rate	Approximately 1/s
Sampling Ports	1 to 2
Power Requirements	100-240v 50/60 Hz 2A
Power Consumption	30w without AC unit / 150w with AC unit
On-board data storage	16GB SD card
Temperature Range	0 to 35 °C (without AC unit) -50 to 50 °C (with heating and AC)
Sample 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)
Calibration	Manual: Using calibration gas and on-board screen Automatic: Optional, using build-in calibration gas
Mounting Hardware	Wall mounting hardware included
Communication	3G/ 4G (default), LAN (default), WiFi (optional)
On-Board Data Storage	64 GB SD Card
Cloud Server	SIMS3 (Sensor Information Management System)
User Interface	7" touchscreen on panel door and remote access to SIMS3
Cloud Server	SIMS3 (Sensor Information Management System)

70 Innovator Avenue, unit 7
Stouffville, ON, L4A 0Y2

416-479-0078
1-888-988-IDES (4337)

info@scentroid.com
www.scentroid.com

SCENTROID
Future of Sensory Technology