



# alien

## Single Gas Monitoring Systems

The innovative IST Aim Alien Series of single gas detectors has arrived. This revolutionary design incorporates “smart” plug and play sensor technology and provides industry standard readings such as PEAKS, TWA and STEL. The Alien is unique: Its completely modular base can be upgraded after your purchase so you can later take advantage of datalogging and vibrator features that come standard on higher-end models. A PC interface and software are available to provide application-specific configuration changes and the capability to datalog, store and analyze measurement data. Never has there been so much in such a small package!



### Features

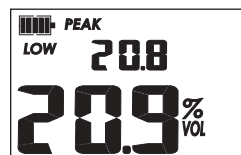
---

- Wide variety of “smart” plug and play sensors available
- Customized LCD with backlight for displaying multiple measurements
- Peaks and peak time recall
- TWA and STEL parameters
- Data logging—Up to 60K events stored with optional Know Your Air™ PC software kit
- Optional vibrator
- IR port for communications
- Auto calibration for both zero and span adjustments
- Rubberized, plastic molding with belt clip
- Glow-in-the-dark faceplate
- Water-resistant; watertight
- Withstands temperature to -40°C
- Long-lasting lithium battery
- Lifetime warranty on electronics

know  
your air.™

## Specifications

Display .....	Custom LCD with seven segment number fields
Sensor Type .....	"Smart" electrochemical plug and play sensors
Alarms/Indicators .....	LED High/Low (Red/Yellow); Audible: 90dB
Battery .....	24 Month (non alarming); Disposable Lithium battery (supplied)
Hazardous Area Rating .....	Intrinsically safe—Class 1, Division 1, Groups A, B, C, and D; CSA approved
Ingress Protection .....	IP54
Radio Frequency Protection .....	Designed to prevent radio frequency interference
Weight .....	5oz. (140g)
Dimensions .....	3.5" x 2.5" x 1"
Warranty .....	Lifetime warranty on electronics 2-year on CO, H <sub>2</sub> S, and O <sub>2</sub> sensors; 1-year on all other sensors



Display simultaneously shows currently detected gas level in the Main Field and one of the scrolling parameters in the Smaller Field.

## Optional Software

The optional Know Your Air™ PC software kit allows you to change your configuration, alarm settings, download, view, graph and analyze measurement data. The Alien Series monitors are capable of storing up to 60K worth of data and communicate with a PC via use of an infrared communication adapter. PC software is compatible with Windows® 95, 98, 2000 and NT.

## Alien Series Models

Model	Peaks	Peaks Time Recall	STEL	TWA	Audible & Visual Alarms	Vibrator	Datalogging Capability
485	•	•	•	•	•	•	•
480*	•	•	•	•	•		•
475*	•	•	•	•	•	•	
470*	•	•	•	•	•		

\*Can be upgraded with features of the 485 at any time

## Gas Sensor Options

Gas	Factory Set Alarm Level	Range	Temp. Range	R.H. Range
Oxygen	19.5%	0-25% Vol.	-20 to 50°C (-4 to 122°F)	0 to 99%
Carbon Monoxide	35 ppm	0-500 ppm	-20 to 50°C (-4 to 122°F)	15 to 90%
Hydrogen Sulfide	10 ppm	1-100 ppm	-40 to 50°C (-40 to 122°F)	15 to 90%
Chlorine	0.5 ppm	0.1-20 ppm	-20 to 40°C (-4 to 104°F)	5 to 95%
Ammonia	25 ppm	0-100 ppm	-20 to 40°C (-4 to 104°F)	15 to 90%
Sulfur Dioxide	2 ppm	0.2-20 ppm	-20 to 50°C (-4 to 122°F)	15 to 90%
Chlorine Dioxide	0.1 ppm	0.01-1 ppm	-20 to 50°C (-4 to 122°F)	10 to 95%
Phosphine	0.3 ppm	0.01-1 ppm	-20 to 40°C (-4 to 104°F)	20 to 95%
Hydrogen Cyanide	5 ppm	0-30 ppm	-40 to 40°C (-40 to 104°F)	5 to 95%
Nitrogen Dioxide	1 ppm	0-20 ppm	-20 to 50°C (-4 to 122°F)	15 to 90%
Nitric Oxide	25 ppm	0-250 ppm	-20 to 50°C (-4 to 122°F)	15 to 90%
Hydrogen	100 ppm	0-999 ppm	-20 to 50°C (-4 to 122°F)	15 to 90%



202 IST Center  
Horseheads, NY 14845 USA  
Tel: (607) 562-4417  
(800) 275-4246  
Fax: (607) 562-4422  
E-mail: aimsales@istcorp.com  
www.istinstrumentation.com