



SERIES MODELS

Model X

- Peaks.....✓
- Peaks Time Recall.....✓
- STEL.....✓
- TWA.....✓
- Audible & Visual Alarms.....✓
- Alkaline Battery.....✓
- IR Port.....✓
- Pump.....option
- Data Logging.....option

Model XP

- Peaks.....✓
- Peaks Time Recall.....✓
- STEL.....✓
- TWA.....✓
- Audible & Visual Alarms.....✓
- Rechargeable Battery (NiMH).....✓
- IR Port.....✓
- Pump.....option
- Data Logging.....option

Know Your Air™ PC SOFTWARE

The Know Your Air PC Software comes standard with each Commander model. It allows you to change your configurations (i.e. alarm settings) and download, view, graph and analyze measurement data. The Commander data logging models are capable of storing more than 800 hours worth of data and communicate with a PC via use of an infrared communication adapter. The software is IBM compatible, desktop or laptop, running Windows 95 or higher, with available RS-232 Com Port. System requirements include: Pentium processor, 32 MB RAM, 128 MB hard disk space, CD-ROM, and Microsoft Excel (optional).

Know Your Air™ is a trademark of AIM Corporation. Windows is a registered trademark of Microsoft Corporation. Part no. 800-600-200 (Rev. 11/04) ATI-1776.

SPECIFICATIONS

| | |
|-----------------------------------|---|
| Display | Large LCD with designated line for each sensor reading |
| Battery | Alkaline (AA batteries) or rechargeable Nickel Metal Hydride (NiMH) |
| Operating Time | Alkaline: 28 hours (diffusion), 16 hours (with pump) NiMH: 22 hours (diffusion), 12 hours (with pump) |
| Alarms/Indicators | LED High/Low; Audible: 103dB @ 1 ft. |
| Sensors | Electrochemical, Catalytic bead, Metal Oxide Semiconductor |
| Operating Temperature | -40°F to 122°F (-40°C to 50°C) – may vary depending on sensor |
| Operating Humidity | 0% to 99% RH – may vary depending on sensor |
| Hazardous Area Rating | Intrinsically safe – Class 1, Division 1, Groups A, B, C and D; CSA Approved |
| Dimensions | 5.94" x 5.2" x 2.8" |
| Weight | 550g (21 oz.) without pump; 650g (22.9 oz.) with pump |
| Radio Frequency Protection | Shielded against radio frequency and electromagnetic interferences |
| Warranty | Standard 2-year or optional lifetime on electronics; 2-year on battery cartridges, NiMH battery, sensors (CO, H2S, LEL, OX) and pump; 1-year on toxic sensors |
| Ingress Protection | Designed to meet IP54 (protected against dust and splashing water) |

Gas Sensor Options

| Sensor | Type | Factory Set Alarm Point | Measuring Range | Resolution* | STEL Factory Set Alarm Point | TWA Factory Set Alarm Point |
|------------------|-----------------|-------------------------|-----------------|-------------|------------------------------|-----------------------------|
| Carbon Monoxide | Electrochemical | 35 ppm | 0-500 ppm | 1 ppm | 200 ppm | 35 ppm |
| Hydrogen Sulfide | Electrochemical | 10 ppm | 1-100 ppm | 1 ppm** | 15 ppm | 10 ppm |
| Combustible | Catalytic Bead | 10% LEL | 0-100% LEL | 1% LEL | N/A | N/A |
| Oxygen | Electrochemical | 19.5%; 23% | 0-25% LEL | 0.1% LEL | N/A | N/A |
| Nitric Oxide | Electrochemical | 25 ppm | 0-250 ppm | 1 ppm | 35 ppm | 25 ppm |
| Nitrogen Dioxide | Electrochemical | 1 ppm | 0-20 ppm | 0.1 ppm | 5 ppm | 3 ppm |
| Sulfur Dioxide | Electrochemical | 2 ppm | 0.2-20 ppm | 0.1 ppm** | 5 ppm | 2 ppm |
| Chlorine | Electrochemical | 0.5 ppm | 0.1-20 ppm | 0.1 ppm** | 1 ppm | 0.5 ppm |
| Ammonia | Electrochemical | 25 ppm | 0-100 ppm | 1 ppm | 35 ppm | 25 ppm |
| Hydrogen | Electrochemical | 100 ppm | 0-1000 ppm | 10 ppm | 999 ppm | 999 ppm |
| Hydrogen Cyanide | Electrochemical | 5 ppm | 0-30 ppm | 1 ppm | 4.7 ppm | 1.5 ppm |
| Chlorine Dioxide | Electrochemical | 0.1 ppm | 0.01-1 ppm | 0.01 ppm** | 0.3 ppm | 0.1 ppm |
| Phosphine | Electrochemical | 0.3 ppm | 0.01-1 ppm | 0.01 ppm** | 1 ppm | 0.3 ppm |
| MOS | Metal Oxide | N/A | 0-500 ppm | 1 ppm | N/A | N/A |

Alarm set points can be custom set to customer order via factory or optional Know Your Air™ software.

** Resolution is the incremental volume measurement of gas.*

*** Resolution reading begins at the lowest stated measuring range of sensor.*

ACCESSORIES INCLUDED WITH PURCHASE

Quick start instruction booklet; comprehensive CD manual; heavy-duty belt clip; dual cal/pump hood; 16-ft. tubing and filter (with pump models); charger adapter (with NiMH models); Know Your Air™ PC software; technical support. Other options available.

commander

PORTABLE MULTI-GAS DETECTOR

FIRST. FASTEST. FINEST.

5 Simultaneously performing sensors

4 Instant-Ready gas sensors

60 Seconds to sensor switch out & go

103 Decibel Banshee Alarm™

Detectors that come close to it



Take command of your work environment with the peerless Commander by AIM, the first and only portable multi-gas detector with the power of Instant-Ready™ pre-calibrated Smart Sensors.

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commander

MOVE FORWARD WITH CONFIDENCE, ELIMINATE WORK STOPPAGES AND PUT AN END TO SECOND-GUESSING THE SAFETY OF YOUR TEAM. THE COMMANDER'S SPEED, RELIABILITY, FLEXIBILITY AND EXTENSIBILITY ARE SIMPLY UNMATCHED BY ANY PORTABLE GAS DETECTOR ANYWHERE.

The Commander's breakthrough **Smart Sensor** technology means you can focus on the job at hand by safeguarding against a wide range of deadly gases — and **adapt quickly and simply** to changing conditions.

With its capacity to simultaneously detect five deadly gases and benchmark-shattering ability to accept any of 14 pre-calibrated sensors in **literally seconds**, the Commander delivers certainty that saves hassle, time and money on the job.

Plus its robust, proprietary **Know Your Air™** software delivers clear and detailed documentation for the reporting you need to track user activity and ensure worker safety.

Other portable gas detectors require anywhere from one to 24 hours to calibrate replacement sensors to guard against different gases. That's too long, too costly and obsolete. The Commander's speed, accuracy and extensibility keep people safe, keep them on the job and keep them focused on the work.

PRE-CALIBRATED SMART SENSORS

Switch and go in seconds with the world's first Instant-Ready, Pre-Calibrated Smart Sensors. No more delays calibrating new sensors: ours come guaranteed ready for action, straight from the factory. Detect five deadly gases simultaneously and swap in 14 alternate sensors for fast, rock-solid certainty in countless environments.

MARATHONER BATTERIES™

A power plant for the long-haul. With a stingy power conservation system and a deep energy reservoir, Commander's batteries deliver more run time than 28+ hours on 3 AA alkaline batteries. Easy-swap battery design means you can replace and recharge simply and quickly.

KNOW YOUR AIR™

Commander's powerful desktop PC software keeps you in control of virtually every stage in the multi-gas detection with the click of a mouse. From setting preferences at the front-end for multiple users like alarm set points, TWA peak, STEL, data interval settings and much more, to critical back-end functions like easy downloads for clear documentation, graphing, user location detail and data export, Know Your Air puts unrivaled power and security into the simplest, most flexible detector ever.

Pre-Calibrated Smart Sensors



BANSHEE ALARM™ SYSTEM

The loudest in the industry at a screaming 103 dB for almost any work environment, plus a brilliant red warning light — because it's about both detection and protection.

MASSIVE DATA LOGGING CAPACITY

Put an encyclopedia in your hand: more than 800 hours (five months!) of data logging capacity. Track deadly gases for all user activity. Create settings for multiple users and readings at your preferred time interval. Flexible, robust and easy, Commander's data tracking technology keeps you in control and in the know.

SIMPLER, MORE POWERFUL INTERFACE AND SOFTWARE

An easier, more intuitive menu backed by super-fast 32-bit processing power (compared to others' weak 8-bit processors). Commander delivers faster, simpler operation and maintenance, unmatched accuracy and simultaneous multi-task performance. Miserly power conservation software provides the longest battery life available.

