

# HAZ-SCANNER™ Model HIM-6000

## Hazardous Incident Air Quality Monitoring System

Product Bulletin HIM-60001009

Haz-Scanner™ Model HIM-6000 is a complete easily portable and deployable ambient air quality monitor designed to measure and document critical hazardous air parameters for regulatory compliance, emergency response, or any air quality investigations.

Haz-Scanner™ provides direct readings in real-time with data logging capabilities. Haz-Scanner™ can be configured to provide up to 14 simultaneous critical air measurements in one easily portable battery operated instrument



### Standard HIM-6000 Monitoring Configuration Includes:

- Lung Damaging Particulates – TSP& PM-10 or PM-2.5, PM-1.0, or Respirable (PM-4.0)
- Toxic Volatile Organic Compounds (VOC's)
- Wind speed and Direction
- Temperature
- Relative Humidity

### Upgrade HIM-6000 System with One or All Optional Sensors for Maximum Flexibility:

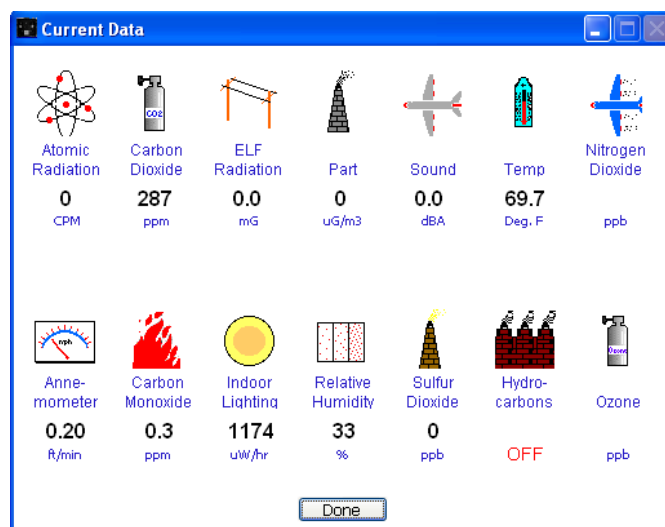
- Build your own system
- Additional Toxic Gas Sensors (NO<sub>2</sub>, SO<sub>2</sub>, O<sub>2</sub>, O<sub>3</sub>, CO<sub>2</sub>, CO<sub>3</sub>.)
  - Hydrocarbons
  - Solar Irradiance/UV or IR
  - Barometric Pressure
  - Sound & Noise
  - Atomic Radiation
  - ELF Radiation
  - Rain Gauge,
  - Biological/Chemical agent sensors

Haz-Scanner™ model HIM-6000 can be configured for Wireless Data Acquisition which allows for continuous unattended sampling up to ten miles. With provided software user can easily create compliance ready graphical



### HIM-6000 Features:

- Easily portable and deployable
- Data Logging and Real-Time Wireless Data Transmission
- Easy to use Graph & Reporting Software compatible with PC and Mac
- “Plug & Play” feature for adding up to 14 Sensors.



Up to 14 Simultaneous Measurements

*Environmental Devices Corporation*

4 Wilder Drive, Bldg. 15 • Plaistow, NH 03865

Phone: (603) 378-2112 • Fax: (603) 378-2113

www.hazscanner.com

**Specifications: Optimized for Ambient Air Quality Applications - Custom Calibration for Specific Ranges or Applications Are Available Upon Request**

Sensor	Concentration Range
<b>Particulates</b>	
Particulates 90° Infra Red Light Scattering	1µg/m <sup>3</sup> - 20,000µg/m <sup>3</sup> or .01mg/m <sup>3</sup> – 200mg/m <sup>3</sup>
Particle Size Range	.1 - 100µm
Particle Size Measurement	1µm, 2.5µm, 4.0µm, 10µm, TSP

<b>Volatile Organics (VOC)</b>	
PID 10.6 ev	0 - 100PPM

<b>NDIR</b>	
CO <sub>2</sub> - Carbon Dioxide	0 – 5,000PPM

<b>Electro Chemical</b>	
CO – Carbon Monoxide	0 – 100PPM
H – Hydrocarbon	0 – 100PPM
NO – Nitric Oxide	0 – 25PPM
NO <sub>2</sub> – Nitrogen Dioxide	0 – 5000PPB (0-5PPM)
O <sub>2</sub> – Oxygen	0-50%
SO <sub>2</sub> – Sulfur Dioxide	0 – 5000PPB (0-5PPM)
O <sub>3</sub> – Ozone	0-1000PPB (0-1PPM)

Rain Gauge (heated)	0-5" Tip bucket
Temperature	-20°C to 60°C
Relative Humidity	0 – 100%
Solar Irradiance	0-111 w/m <sup>2</sup>
Sound & Noise	30 – 135 db
Atomic Radiation	1 – 19999cpm <sup>3</sup> or RAD
ELF Radiation	1 – 200mG
Wind Speed/Direction	0-125mph / 5-355deg
Barometric Pressure	28-31 in/Hg

<b>Instrument Specifications</b>	
Display	LCD real-time
Operation	4 Key Splash Proof Membrane Switch
Power	12V NiMH Battery
Operating Time	10 Hours on Standard Battery Continuous on AC, Optional Solar Panels
Display Measurements	MAX, MIN, TWA, STEL
Recording Time	1 sec to 21 weeks
Sampling Rate	1 sec, 1 min, 10 min ,1 hour, adjustable
Data Storage	36,000 Data Points
Sampling Pump	1 – 3.0 lpm
Digital Output	RS-232 (PC) ,RS-423 (MAC)
Software	PC or Macintosh
Dimension	14" x 6" x10" weather proof case
Weight	12 lbs
Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 60°C
Humidity	95% Non Condensing use inlet heater
Wireless Radio Modem	900MHz (US) 868MHz (Euro) up to 10 miles



HIM-6000 Shown with optional tripod stand & solar panels  
Atomic Radiation and Noise level Meter

**Applications:**



Emergency Response



Military/Homeland Security



Waste Site Remediation



Ambient AQ Monitoring

*Environmental Devices Corporation*

4 Wilder Drive, Bldg. 15 • Plaistow, NH 03865

Phone: (603) 378-2112 • Fax: (603) 378-2113

[www.hazscanner.com](http://www.hazscanner.com)