

# HAZ-SCANNER™ Model HIM-6000

## Environmental Perimeter Air Station

Product Bulletin HIM-6000 2012

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 12 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)
- Temperature
- Relative Humidity
- CO (0-10ppm)
- NO<sub>2</sub> (0-5ppm)

### Upgrade HIM-6000 System with up to 6 Optional Gas Sensors and three Optional Meters for Maximum Flexibility: Build your own system

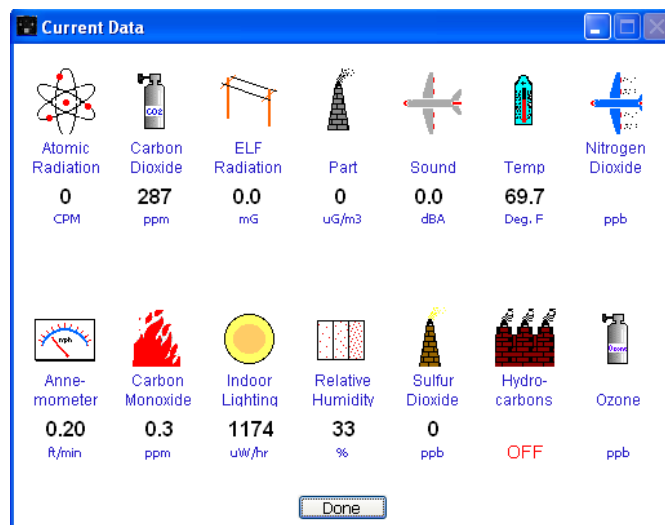
- Additional Toxic Gas Sensors (H<sub>2</sub>S, SO<sub>2</sub>, O<sub>2</sub>, O<sub>3</sub>, CO<sub>2</sub>, VOC.)
- Hydrocarbon Gas
- Solar Irradiance/UV or IR -Meter
- Barometric Pressure - Meter
- Sound & Noise -Meter
- Atomic Radiation - Meter
- ELF Radiation - Meter
- Rain Gauge - Meter

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



### HIM-6000 Features:

- Easily portable and deployable
- Data Logging and Real-Time Wireless Data Transmission
- Easy to use Graph & Reporting Software compatible with PC.
- “Plug & Play” feature for adding up to 12 Sensors.



**Up to 12 Simultaneous Measurements**

**Environmental Devices Corporation \* 4 Wilder Drive, Bldg. 15 \* Plaistow, NH 03865**

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

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

Sensor	Measurement/Concentration Range
<b>Particulates</b>	<b>(HIM-6000 Sensors)</b>
Particulates 90° Infra Red Light Scattering	1 - 20,000µg/m <sup>3</sup> OR 0.01 – 200mg/m <sup>3</sup>
Particle Size Range	.1 - 100µm
Particle Size Measurement	1µm, 2.5µm, 4.0µm(OPTIONAL), 10µm, TSP (STANDARD)
<b>Volatile Organics (VOC)</b>	<b>(HIM-6000 Sensors)</b>
PID 10.6 ev	0 – 50,000 ppb (0-50 ppm)
<b>Carbon Dioxide</b>	<b>(HIM-6000 Sensors)</b>
NDIR	0 – 5,000 ppm (optional)
<b>Toxic Gases (Electrochemical)</b>	<b>(HIM-6000 Sensors)</b>
CO – Carbon Monoxide	0 – 10,000 ppb (0-10ppm)
CH <sub>4</sub> Methane	0 to 100% Vol. (optional)
<b>Hydrocarbons</b>	<i>specify gas type when ordering</i>
NO <sub>2</sub> – Nitrogen Dioxide	0 – 5000 ppb (0-5ppm ) (optional)
SO <sub>2</sub> -Sulfur Dioxide	0 to 5000 ppb (0 to 5 ppm) (optional)
<b>Other Parameters</b>	<b>(HIM-6000 Meters)</b>
Rain Gauge (heated, tipping bucket)	0 to 5 inches (optional)
Temperature	-4 to 140 F (-20°C to 60°C) (standard)
Solar Irradiance	0-111 watts per square meter (w/m <sup>2</sup> ) (optional)
Sound & Noise	30 – 135 db (optional)
Atomic Radiation	1 – 19,999cpm or 0.001 to 100 miliRad/hr (optional)
ELF Radiation	1 – 200mG (optional)
Wind Speed/Direction	0-125mph / 5-355deg (standard)
Barometric Pressure	28-31 inches/Hg (optional)
Dew Point Temperature	-47.2 to 122 F (-44 to 50 C)
Wet Bulb Temperature	3.2 to 122F (-16 to 50 C) (optional-one meter)
<b>HAZ-SCANNER HIM-6000</b>	<b>Instrument Specifications</b>
Display	LCD real time
Operation	4 Key Splash Proof Membrane Switch
Power	12V 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 min, 10 min , 15 min, 1 hour, adjustable
Data Storage	454,545 data points
Sampling Pump	1.0 – 3.0 L/min
Digital Output	RS-232 (PC)
Software	PC
Dimension	14" x 6" x10" weather proof case
Weight	12 lbs
Operating Temperature	-4 to 140 F (-20 to 60 C)
Storage Temperature	-40 to 140 F (-40 to 60 C)
Humidity	95% Non-Condensing
Wireless Radio Modem	900MHz (US) 868MHz (Euro) up to 5 miles
Auxiliary Analog Input	0 to 2.5 VDC (1 channel for alternative meter)



Model: HIM-6000 Shown with optional tripod stand and rain gage



**Applications:**

Emergency Response, Military/Homeland Security, Waste Site Remediation

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