



# IAQ Surveyor

## Indoor Air Quality Monitors

With 90% of our time spent indoors, determining the quality of the air we breathe indoors is essential for good health and productivity. The IAQ Surveyor II and IAQ Surveyor Pro monitor key indoor air quality indicators including carbon dioxide, humidity, temperature and carbon monoxide. Should these measurements fall outside recognized guidelines, further tests can be made to suggest an appropriate course of action. For example, ventilation studies show that as room temperatures rise above 75°F (24°C) the ability of occupants to concentrate can drop by up to 50% and high levels of carbon dioxide will indicate poor ventilation that results in drowsiness and perceived stuffiness. Both situations are very common and seriously affect productivity. Over-ventilation wastes energy and results in increased building running costs.

The IAQ Surveyor PRO also includes a built-in micro-manometer to measure static pressure and differential pressure. The auto-zeroing pressure sensor allows for pollution pathways, HVAC systems, filter blockages and many other processes to be assessed for optimum performance. A type K thermocouple socket is also included for measurement with a variety of temperature probes: air, immersion, penetration, surface and other specialized temperature probes.

The Surveyor range has been designed with the user in mind. Minimal training is required to use the instruments as the intuitive menu system and display provide step-by-step guides for each operation that are updated when smart probes are plugged in.

Both 'snapshot' and 'trend' datalogging (over set time intervals) are included and WolfSense PC data analysis software allows data to be downloaded for detailed analysis and reporting.



## data sheet

### •Multi-function probes

Simultaneous measurement of 4 key IAQ indicators; CO<sub>2</sub>, CO, %RH, °C/°F  
Optional 3-function telescoping hotwire airspeed probe, also measures %RH and °C/°F

### •Standard inputs (Surveyor PRO only)

Built-in, auto-zeroing micro-manometer for static and differential pressure  
K-type thermocouple for air/immersion/penetration/surface temperature

### •Data port

Allows logged data to be down-loaded to WolfSense PC software for analysis  
Manual or automatic datalogging available  
Advanced datalogging for unattended surveys

### •Comfortable to use

Large rubber grip and hand strap  
Single-handed operation

### •Intuitive menu system

Minimal training required  
Easy to use  
Screen prompts user through operation

### •Easy battery access

Disposable or rechargeable can be used  
AC power adapter available

### •Large and clear display

Measures numerous variables simultaneously  
Scroll through readings on display  
Wide viewing angle ensures readings are always visible  
Automatically updated when probes are plugged in  
On-screen instruction for easy operation

### •Probe attachment

Probe can be fixed to side of instrument

### •Large pushbutton operation

Can be operated with gloves on

### •Durable housing

Impact resistant  
Lightweight

### •Probe connectors

Two probes may be fitted at one time

## GrayWolf Sensing Solutions

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

## Specifications

	IAQ Surveyor II	IAQ Surveyor Pro
<b>Use:</b>	Multi-function; designed for use with GrayWolf's 1260GSS 4-Function CO <sub>2</sub> , CO, %RH, °C/°F probe and GrayWolf's 2300 AHTS 3-Function Airspeed, %RH, °C/°F probe	
<b>Power Requirements:</b>	3 x C size disposable alkaline batteries Optional AC adapter 100 to 240 V ac, 50/60 Hz Rechargeable batteries and external charger may be used	
<b>Inputs available:</b>	1260GSS and/or 2300AHTS probes (simultaneous)	Auto-zeroing differential pressure (built-in) 'K' type thermocouple temperature 1260GSS and/or 2300AHTS (simultaneous)
<b>Typical battery life:</b>	130 hours (subject to type of probes connected)	
<b>Pressure range:</b>		+/-7000 Pa, +/-30 in.H <sub>2</sub> O, +/-700 mmH <sub>2</sub> O, +/-70 mbar, +/-50 mmHg
<b>Pressure resolution:</b>		0.1 Pa, 0.001 in.H <sub>2</sub> O, 0.01 mmH <sub>2</sub> O, 0.001 mbar, 0.001 mmHg
<b>Pressure accuracy:</b>		+/- 1% rdg +/- 2 counts
<b>Operating range:</b>	0°C to 50°C (32°F to 122°F), 0 to 90% RH	
<b>Material:</b>	Impact resistant ABS, water resistant to IP54	
<b>Dimensions:</b>	265 mm x 135 mm x 42 mm (10 1/2" x 5 1/4" x 1 1/2")	
<b>Weight:</b>	0.9 kg (2 lbs)	
<b>Manual (snapshot) data capture and review:</b>	Yes	Yes
<b>Automatic VFR calculation:</b>	Yes with 2300AHTS probe only	Yes with pitot tube or 2300AHTS probe
<b>Trend (timed) data logging:</b>	Yes	Yes
<b>Data download to PC:</b>	Yes	Yes

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GrayWolf reserves the right to change specifications without notice.

### Standard IAQ Surveyor Kits:

Part Number	CLK-IAQ Surveyor II	CLK-IAQ Surveyor Pro
<b>Contents</b>	IAQ Surveyor II instrument	IAQ Surveyor Pro instrument
	IAQ Four Function probe (1260GSS)	IAQ Four Function probe (1260GSS)
		6ft of dual tubing
	Carrying case	Carrying case
	PC interface cable, D-shell	PC interface cable, D-shell
	WolfSense PC data analysis software	WolfSense PC data analysis software

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