



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 logging over time of 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 others.

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.

Optional WolfSense ARG "Advanced Report Generator" software makes detailed IAQ report production easy and efficient.



Product Features:

- **Tried and true, rugged design**
- **Multi-function probes**
Included 1260GSS probe provides simultaneous measurement of 4 key IAQ indicators; CO₂, CO, %RH, °C/°F. Optional telescoping hotwire airspeed probe, also measures %RH, °C/°F, and volumetric airflow.
- **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.
- **Infrared CO₂ Technology**
Provides fast and reliable CO₂ detection.
- **Data-logging**
Manual or automatic datalogging available. Advanced datalogging for unattended surveys. Logged data can be downloaded to desktop PC for analysis.
- **Reporting and analytical software**
GrayWolf's highly advanced, easy-to-use WolfSense™ PC data reporting software is included (on CD-ROM and USB key) for analysis of logged data. Optional WolfSense ARG software automates report generation.
- **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.
- **Large and clear display**
Measures numerous variables simultaneously. Scroll through readings on display. Wide viewing angle. 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.



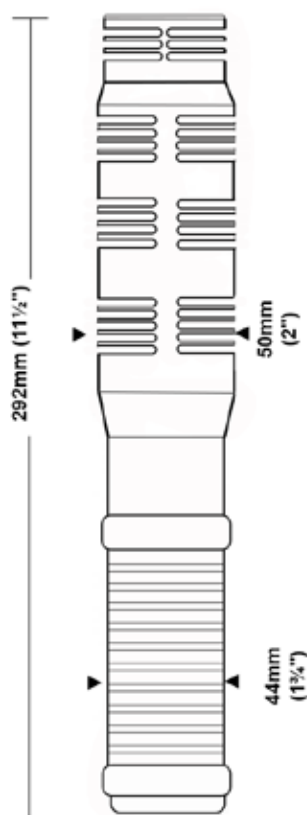
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Specifications



1260GSS 4-function probe

	IAQ Surveyor II	IAQ Surveyor Pro
Use:	Multi-function; comes with GrayWolf's 1260GSS 4-Function CO ₂ , CO, %RH, °C/°F probe. Option for telescoping 2300 AHTS 3-Function Airspeed, %RH, °C/°F probe	
Power Requirements:	3 x C size disposable alkaline batteries. Optional AC adapter 100 to 240 V AC, 50/60 Hz	
Inputs available:	1260GSS and/or optional 2300AHTS probes (simultaneous)	Includes auto-zeroing differential pressure (built-in) K-type thermocouple temperature, 1260GSS. Option for 2300AHTS (all simultaneous)
Carbon Dioxide (NDIR):	Range 0 to 5000ppm, Accuracy +/-5% rdg +/- 50ppm	
Carbon Monoxide (EC):	Range 0.0 to 500ppm, Accuracy +/- 2ppm <40ppm, +/- 5%rdg>40ppm	
% RH (polymer capacitive):	Range 0.0 to 98.0 %RH, Accuracy +/- 2%RH <75%RH, +/-3%RH >75%RH	
Temperature (100Ω Pt100):	Range -33.0°C to +70.0°C (-27.4°F to 158°F), Accuracy +/- 2°C	
Dew Point (calculated):	Range -10°C to +70.0°C, Accuracy +/- 0.3°C	
Pressure range:		+/-6000 Pa, +/-25 inH ₂ O, +/-600 mmH ₂ O, +/-60 mbar, +/-42 mmHg
Pressure resolution:		0.1 Pa, 0.001 inH ₂ O, 0.01 mmH ₂ O, 0.001 mbar, 0.001 mmHg
Pressure accuracy:		+/- 1% rdg +/- 0.4Pa (0.002 inH ₂ O)
Automatic VFR calculation:	Yes with 2300AHTS probe only	Yes with pitot tube or 2300AHTS probe
Typical battery life:	130 hours (subject to type of probes connected)	
Operating range:	0°C to 50°C (32°F to 122°F), 0 to 90% RH	
Material:	Impact resistant ABS, water resistant to IP54	
Dimensions:	265 mm x 135 mm x 42 mm (10 1/2" x 5 1/4" x 1 1/2")	
Weight:	0.9 kg (2 lbs)	
Manual (snapshot) data capture and review:	Yes	Yes
Trend (timed) data logging:	Yes	Yes
Data download to PC:	Yes	Yes

GrayWolf



**Classical
Line
Instruments**

GrayWolf reserves the right to change specifications without notice.

Standard IAQ Surveyor Kits:

Part Number	CLK-IAQ Surveyor II	CLK-IAQ Surveyor Pro
Contents	IAQ Surveyor II instrument	IAQ Surveyor Pro instrument
	IAQ Four Function probe (1260GSS)	IAQ Four Function probe (1260GSS)
		6ft of dual tubing (for built-in ΔP sensor)
	Carrying case	Carrying case
	PC interface cable, USB	PC interface cable, USB
	WolfSense PC Data Transfer Software	WolfSense PC Data Transfer Software

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