


Instrument Specifications:	IAQ Surveyor II	IAQ Surveyor Pro
Use:	Multifunction designed for use with GrayWolf's 1260GSS 4 Function CO ₂ , CO, %RH, °C/°F probe and GrayWolf's 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 Rechargeable batteries and external charger may be used	
Inputs available:	1260GSS and/or 2300AHTS probes (simultaneous)	Auto zeroing differential pressure (built-in) 'K' type thermocouple temperature 1260GSS and/or 2300AHTS (simultaneous)
Typical battery life:	130 hours (subject to type of probes connected)	
Operating temperature: (instrument)	Operating temperature 0°C to 50°C (32°F to 122°F)	
Operating humidity: (instrument)	0 to 90% RH	
Material:	Impact resistant ABS	
Ingress protection:	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 data capture and review:	Yes	Yes
Automatic VFR compensation	No	Yes
Advanced data logging:	Yes	Yes
Data download to PC:	Yes	Yes

Probe Specifications: 1250GSS 4-Function Probe			
Sensor Types			
Temperature	Platinum Pt100 RTD, 0.1% grade		
Relative Humidity	Thin-film capacitive		
Carbon Monoxide	Electrochemical CO micro-sensor.		
Carbon Dioxide	Non-Dispersive Infra-Red (NDIR)		
Range Resolution & Accuracy			
	Range	Resolution	Accuracy
Temperature	0°C to +40°C (See note 1)	0.1°C	+/- 0.5°C
Relative Humidity	0 to 100%	0.1%	2% (<75% Rh) 3% (>75% Rh)
Carbon Monoxide	0-5000 ppm	0.1 pm	2 ppm (<40 ppm) 5% rdg (>40 ppm)
Carbon Dioxide NDIR Sensor	100-5000 ppm	1 ppm	5% rdg +/- 50 ppm

 <p>Dimensions</p>	<p>Overall: 11.5"H x 2.0"D 225mm x 50mm Handle: 5.3" L x 1.6" D 135mm x 40mm GH2 hydrator adds 3.0" (75mm) to length Cable Length: 6.5 feet (2m)</p>
Weight	12 oz / 350g
Housing	Material: Black acetal Sealing: IP44
EMC Protection	Emission: EN55022 Class B Immunity: EN50082-1
Connection	5 ft (1.5m) cable, with 12 pin locking DIN connector. AC adapter charger socket: 2.1mm DC socket (negative center).
Instrument Battery Life	35 hours continuous operation with 1250GSS probe.
Operating Range Limits	Temperature: 32°F to 104°F / 0°C to 40°C Humidity: 0% to 100% RH (non-condensing)
Storage Range Limits	Temperature: 32°F to 77°F / 0°C to 25°C Humidity: 0% to 100% RH (non-condensing)
Response Times	The following T90 response times, (i.e. the time taken for the displayed measurement to show 90% of the change towards the measured condition), apply to the Surveyor and the 1250GSS Four Function Probe combination when exposed to airflow at 0.25 m/s or 50 ft/min. Temperature: 30 seconds Relative Humidity: 30 seconds Carbon Monoxide: 45 seconds Carbon Dioxide: Less than 60 seconds