



## IAQPoint2™ SPECIFICATIONS

### Touchscreen Indoor Air Quality Monitor

Model	IAQPoint2 with CO <sub>2</sub> Sensor	IAQPoint2 with VOC Sensor
<b>Gasses</b>	CO <sub>2</sub>	Volatile Organic Compounds (VOC)
<b>Detection Method</b>	Non-dispersive infrared (NDIR) with ABC automatic background calibration algorithm	Metal oxide semiconductor (MOS)
<b>Range</b>	0-2,000 ppm 0-5,000 ppm	0-100 (400-2,000 ppm CO <sub>2</sub> Equivalent)
<b>Accuracy*</b>	±30 ppm +3% of reading @ 25°C for 0-2000 ppm; ±30 ppm +5% of reading @ 25°C from 2000 to 5000 ppm	
<b>Response Time</b>	T <sub>90</sub> < 60 seconds	T <sub>90</sub> <60 seconds
<b>Calibration</b>	No Calibration Required	No Calibration Required
<b>Temperature Sensor</b>		
<b>Detection Method</b>	Band Gap	
<b>Accuracy</b>	±0.5°C at 25°C and 50% rH	
<b>Humidity Sensor</b>		
<b>Detection Method</b>	Capacitive Type	
<b>Range</b>	0-95% rH	
<b>Accuracy</b>	±5% at 25°C and 50% rH	
<b>System Operation</b>		
<b>Temperature</b>	32° to 122°F (0° to 50°C); 32° to 104°F (0° to 40°C) for VOC Wall mount configurations	
<b>Humidity</b>	0 to 95% rH, Non-condensing	
<b>Power In</b>	20 to 30 VAC; 18 to 28 VDC	
<b>Consumption</b>	200 mA @ 24 VDC	
<b>Dimensions</b>	3.0 (w) x 4.6 (h) x 1.5 (d) in (11.8 x 7.7 x 3.7 cm)	
<b>Weight</b>	.44 lbs (.20 kg)	
<b>Enclosure</b>	ABS	
<b>Display</b>	TFT, Multicolor graphical touch screen display; 1.9 (w) x 2.6 (h) in (4.9 x 6.5 cm) (Optional with Analog units)	
<b>Languages</b>	English, French for first release	
<b>Outputs</b>		
<b>Analog</b>	4-20 mA, 2-10 VDC fixed	
<b>Digital</b>	Modbus RTU, BACnet MS/TP, BTL listed; LonWorks, LonMark certified	
<b>Relay</b>	3 Amps, 250 VAC resistive, and 30 VDC SPDT; Field configurable set point & hysteresis	
<b>Override</b>	Selectable on Display Units	
<b>Mounting Options</b>		
<b>Wall Mount</b>	IP22	
<b>Duct Mount</b>	IP54	
<b>Certifications</b>		
<b>US</b>	ANSI/UL 61010-1	
<b>Canada</b>	CAN/CSA C22.2 No. 61010-1	
<b>Europe</b>	CE	
<b>Warranty</b>	1 year	

\*Note: Allow an additional ±2% of reading for calibration gas cylinder. With ABC enabled, allow 3 weeks for stabilization.

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