



**Indoor Air Quality monitoring of CO<sub>2</sub>, temperature and humidity for demand control ventilation applications**

# Honeywell Analytics' IAQPoint™ indoor air quality monitor accurately measures CO<sub>2</sub>, temperature and humidity levels – and offers this three-in-one sensing technology for the price of a typical single-sensor unit. The IAQPoint connects easily to virtually any building automation system by utilizing a wide array of analog and digital output configurations.

The IAQPoint's dual IR sensing technology offers better drift and temperature compensation for measuring ambient CO<sub>2</sub> levels – and does this within a smaller and sleeker enclosure. The addition of BACnet, LON, FLN and Modbus digital outputs make it simple to install and integrate into the existing building automation system. Units can be ordered with a simple 4-20mA analog output or optional display. If the application does not require temperature and relative humidity, a CO<sub>2</sub> only version is also available.

Eliminating the need for additional devices and excess wiring, the IAQPoint easily snaps into a standard electrical box for simple wall mount installation. A duct mount version is also available for those applications that need to monitor incoming air from outside the building or do not wish to place the unit in plain view. The IAQPoint's plug-and-play nature and simplified mounting dramatically reduce the overall cost of installation.

Temperature and relative humidity readings are measured at the tip of the antenna that extends from the bottom of the unit. Taking these measurements outside of the enclosure guarantees the most accurate and repeatable readings. A stylish protective cover is also available for those applications where breakage or vandalism is a concern.

## Find out more

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

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## User Friendly

- No moving parts – trouble free operation
- Menu driven operation – easy calibration

## Low Cost of Installation

- Combines 3 devices into 1
- Simple wall or duct mount
- Analog or digital outputs

## Reliability

- Proven dual beam IR technology
- Accurate temperature and rH readings

## Beneficial Options

- BACnet, LON, FLN or Modbus digital outputs
- Backlit display
- Analog output option
- User selectable gas detection range

## Technical Specifications

General	
<b>Operating Temperature Range</b>	32 to 100°F (0 to 40°C)
<b>Operating Humidity Range</b>	0 - 95% rH, non-condensing
<b>Power Requirement</b>	20 - 30 VAC or 18 - 30 VDC 200 mA @ 24VDC, 50/60 Hz
<b>Dimensions (H x W x D)</b>	3.9" x 2.5" x 1.2" (9.9 x 6.3 x 3.0 cm)
<b>Weight</b>	SM: 0.44 lbs (0.20 kg) DT: 0.66lbs (0.30 kg)
<b>Housing</b>	ABS Alloy
<b>Display</b>	Graphic LCD, 122 x 32
CO <sub>2</sub> Sensor	
<b>CO<sub>2</sub> Detection Method</b>	Dual-beam, non-dispersive infrared (NDIR), diffusion sampling
<b>CO<sub>2</sub> Measurement Range</b>	0-2000 ppm (factory set) 0-10000 ppm (user selectable)
<b>CO<sub>2</sub> Accuracy</b>	0-2000 ppm: ± 100 ppm + 3% of reading 2000 to 10000 ppm: ± 10% of reading
<b>Response Time</b>	< 60 seconds for 90% step change
Temperature Sensor	
<b>Measurement Method</b>	Solid state, integrated circuit
<b>Measurement Range</b>	-4 to 122°F (-20 to 50°C)
<b>Measurement Accuracy</b>	± 0.5°C at 25°C
<b>Response Time</b>	30 sec
Humidity Sensor	
<b>Measurement Method</b>	Solid state, integrated circuit
<b>Measurement Range</b>	0-99 % RH, non-condensing
<b>Measurement Accuracy</b>	± 3.0%
<b>Long term Drift</b>	less than 0.5% RH/Yr
<b>Analog Outputs</b>	0-20mA, 4-20mA (selectable)
<b>Digital Outputs</b>	Modbus RTU, BACnet MS/TP, LON, FLN
<b>Response Time</b>	4 sec
<b>Warranty</b>	5 year limited warranty
<b>Certifications</b>	ANSI/UL 61010-1 CAN/CSA C22.2 No. 61010-1 CE (pending)

### Please Note:

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