



COMAG IR
defining technology

**SmartScan
PPM 4022H**

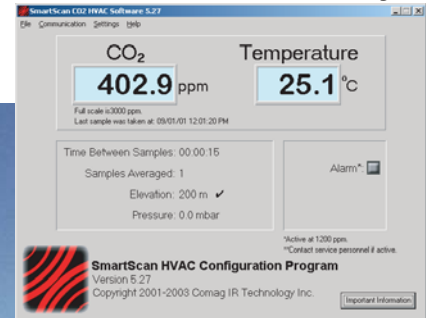
SmartScan Infrared CO2 Sensor

The digital, high resolution, extended calibration infrared CO₂ and temperature sampler for HVAC systems.

Lab-quality CO₂ detection now available for professional and domestic 24/7 applications in Demand Control Ventilation and smart house Indoor Air Quality.

HVAC:

- Carbon Dioxide & Temperature
- Free-standing or networking
- No calibration gas ever needed



Sensor type:	Microprocessor controlled, fully digital, non-dispersive dual wavelength infrared, temperature compensated
Characteristics:	
Measurement range of CO ₂	0 - 3,000 ppm (standard)
User selectable ranges	0-1500, 0-2000, 0-2500
Measurement formats	Single <1 second pulse/averages
Accuracy of CO ₂ measurement	± 25 ppm in 15 - 30°C range ± 40 ppm outside
Repeatability	± 5 ppm
Resolution	± 2 ppm
Long term stability	< 20 ppm / year
Temperature stability of CO ₂ reading	< 1 ppm / °C
Air pressure correction	- 0.13% of reading / mm Hg
Measurement range of temperature	-30 to +50 °C, digital
Accuracy of temperature measurement	± 0.5°C @ 5 - 40 °C
Temperature repeatability	± 0.2 °C
Signal Functions:	
Variables measured	ppm, temperature, time
Sampling intervals	15 sec - 4 hours, user option
Standard outputs	4-20mA, 0-10V analog RS232 digital
Data presentation	Windows 98SE, NT, 2000 & XP
Sampler Unit:	
Material	Sheet metal, 24 gauge
Size (LxWxH)	172 x 158 x 42 mm
Weight	860 g
Color	Bone
Supply voltage	12 - 24VDC / 24VAC
Current consumption	< 0.5A pulse / 0.12A idle
Wiring	Terminal block
Cable connection	RJ45 - DB9
On/Functional	Green LED, steady/flashing
Certification:	CE, TUV, FCC, CAN/CSA Equivalent to UL standards



Options:

- Wall mount bracket with lock
- Duct mount kit
- Relay output with custom ppm settings
- Custom settings (range, pressure/elevation, frequency, averaging etc) through optional SmartScan control & display software
- On/off toggle switch

Specifications may be subject to change without further notice

For information, sales and support - please contact:

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