



COMAG IR

defining technology

SmartScan PPM 4022D

Advanced, high resolution digital sampler / datalogger with large memory provides accurate measurements for professional analysis and control.

Digital InfraRed CO₂ logging with temperature, humidity and time in a single, powerful unit with flexible functionality and simple operation

- Analysis of IAQ
- HVAC systems control
- Analysis of energy savings potential
- Export of logged data to spreadsheet

Technical data:

Measurement range CO ₂	0 - 3,000 ppm standard
User selectable ranges	0 - 1,500, 0-2,000, 0-2,500
Options	Other ranges on custom order
Measurement range temperature	-30 to +50 °C, digital

Characteristics:

Accuracy of CO ₂ measurement	± 25 ppm in 15 to 30 °C range ± 40 ppm outside
Repeatability	± 5 ppm
Resolution	± 0.1 ppm
Long term stability	± 20 ppm per year
Temperature measurement range	- 40 °C to + 60 °C
Temperature stability of CO ₂ reading	< 1 ppm / °C
Air pressure correction	- 0.13% of reading / mm Hg
Temperature repeatability	<± 0.2 °C
Temperature accuracy	<± 0.5 °C
Warm up time	< 60 seconds
Response time	< 1 second

High resolution digital humidity/temperature plug (*option):

Humidity range	5 - 80% RH
Humidity accuracy	± 2% RH
Humidity response time	< 3 seconds
Temperature range	- 40 °C to + 120 °C
Temperature resolution	<± 0.05 °C @ 5 - 40 °C

Datalogging functions:

Variables recorded	CO ₂ , time, temp. and *humidity
Sampling interval	30 sec standard 15 sec - 4 hours, user selectable
Storage capacity	16,000 samples (*11,600)
Output	RS232, communication with PC
Cable connection	RJ45 - DB9
Data presentation	User PC, SmartScan software for Windows 98, NT, 2000

General:

Material	Sheet metal, 24 gauge
Size (LxWxH)	172 x 158 x 42 mm
Weight	860 g
Color	Bone
Supply voltage	12VDC wall mount adaptor
Current consumption	< 0.5A sample, 0.12A idle
On/Off	Toggle switch



Accessories:

- SmartScan Logger software for Windows
- PC connector cable and Wall mount adaptor PSU
- User manual

Options:

- * High Resolution Digital Humidity / Temperature - (Model No.4122)
- Transport case
- Analog outputs (Model No. 4022M)
- SmartScan HVAC software for Model No. 4022M
- Wall mount bracket with lock
- Duct vent kit

Specifications may be subject to change without further notice

For information, sales and support - please contact:

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SmartScan gas analysis