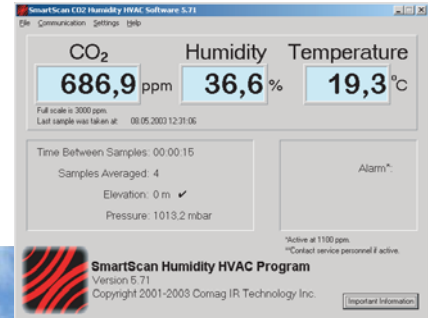




The digital, high resolution, extended calibration infrared CO₂ and humidity / temperature sampler for HVAC systems.

Lab-quality CO₂ detection now available for professional and domestic 24h applications in demand control ventilation and smart house indoor air quality.

- Tailored for Demand Control Ventilation
- Low Total Cost of Ownership (TOC)
- No calibrated gas ever required
- BacNet version available



Sensor type: Microprocessor controlled fully digital, non-dispersive dual wavelength infrared, temperature compensated

Technical data:
 Measurement range CO₂ 0 - 3,000 ppm standard
 User selectable ranges 0 - 1,500, 0 - 2,000, 0 - 2,500
 Options Other ranges on custom order

Characteristics:
 Accuracy of CO₂ 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 stability of CO₂ reading < 1 ppm / °C
 Air pressure correction - 0.13% of reading / mm Hg
 Measurement range temperature - 30 to +50 °C, digital
 Temperature accuracy ± 0.5 °C
 Temperature repeatability <± 0.2 °C
 Warm up time < 60 seconds
 Response time < 1 second

High resolution digital humidity/temperature plug (option*):
 Humidity range 0 - 100% RH
 Humidity accuracy ± 2% RH
 Humidity response time < 3 seconds
 Temperature range - 40 °C to + 60 °C
 Temperature resolution <± 0.05°C @ 5 - 40 °C

Functions:
 Sampling interval 30 sec standard
 15 sec - 4 hours, user selectable
 Standard output RS232
 4-20mA, 0-10V

General:
 Material Sheet metal, 24 gauge
 Size (LxWxH) 172 x 158 x 42 mm
 Weight 860 g
 Color Bone
 Supply voltage 12VDC or 24VAC/DC
 Current consumption < 0.5A sample - 0.12A idle
 Wiring Terminal block, Phoenix type
 On/Functional Green LED, steady/flashing



- Options:**
- Wall mount bracket with lock
 - *High Resolution Humidity / Temperature - Model No. 4122
 - BacNet bus communication interface
 - On/off toggle switch
 - Duct vent kit



Specifications may be subject to change without further notice

For information, sales and support - please contact:

kTsensor AS
 P.O.Box 183
 Hamnegata 10
 N - 6101 Volda
 Norway

Phone + 47 70 07 92 70
 Fax + 47 70 07 92 71

Website:
<http://www.ktsensor.com>

e-mail:
mail@ktsensor.com