Features and Benefits

- Stable NDIR sensor to monitor CO₂
- Calculates % outside air from CO₂ or temperature
- Displays humidity as %RH, dew point, and wet bulb
- Manual or continuous data logging
- Stores 12,700+ sets of downloadable readings with time and date stamp
- Includes LogDat2™ software and interface cable to download to a PC

Features and Benefits

- Statistics function for average, maximum, and minimum values
- Displays three parameters simultaneously
- Real-time CO₂ readings 0 to 5,000 parts per million (PPM)
- Integrated NDIR sensor

Applications

- Investigating indoor air quality
- Performing thermal comfort studies
- Checking ventilation systems
- Conducting IAQ evaluations

Model CF930 CO₂ Meter (not shown)

The CF910 CO₂ Meter is an excellent, cost-effective handheld diagnostic instrument for measuring and monitoring carbon dioxide levels. HVAC professionals use it for conducting IAQ surveys, and evaluating ventilation systems in schools, offices, factories, and hospitals.
Specifications
CompuFlow Models CF910, CF920, and CF930

CO₂
Sensor Type: Dual-wavelength NDIR (non-dispersive infrared)
Range: 0 to 5000 ppm
Accuracy: ±3.0% of reading or ±50 ppm, whichever is greater
Resolution: 1 ppm
Response Time: 20 seconds

Temperature (Models CF920 and CF930)
Sensor Type: Thermistor
Range: 32 to 140°F (0 to 60°C)
Accuracy: ±1.0°F (±0.6°C)
Resolution: 0.1°F (0.1°C)
Response Time: 30 seconds (90% of final value, air velocity at 400 ft/min [2 m/s])

Relative Humidity (Models CF920 and CF930)
Sensor Type: Thin-film capacitive
Range: 5% to 95% RH
Accuracy: ±3.0% RH
Resolution: 0.1% RH
Response Time: 20 seconds (for 63% of final value)

% Outside Air (Models CF920 and CF930)
Range: 0 to 100%
Resolution: 0.1%

CO (Model CF930 only)
Sensor Type: Electro-chemical
Range: 0 to 500 ppm
Accuracy: ±3.0% of reading or ±3 ppm, whichever is greater
Resolution: 0.1 ppm
Response Time: <60 seconds to 90% step change

Operating Temperature
40 to 113°F (5 to 45°C)

Storage Temperature
-4 to 140°F (-20 to 60°C)

Logging Capability (Models CF920 and CF930)
Ranges: Model CF920 logs up to 30,300 data points with (3) measurement parameters enabled
Model CF930 logs up to 26,900 data points with (4) measurement parameters enabled
Time Constant: 1 sec, 5 sec, 10 sec, 20 sec, 30 sec (user selectable)
Log Intervals: 1 second up to 1 hour (user selectable)

Meter Dimensions (all models)
3.3 in. x 7.0 in. x 1.8 in. (8.4 cm x 17.8 cm x 4.4 cm)

Probe Dimensions (Model CF910)
Length: 2.75 in. (7.0 cm)
Diameter: 0.75 in. (1.9 cm)

Probe Dimensions (Models CF920 and CF930)
Length: 7.0 in. (17.8 cm)
Diameter: 0.75 in. (1.9 cm)

Weight (with batteries)
Models CF910: 0.6 lbs (0.27 kg)
Models CF920 and CF930: 1.16 lbs (0.53 kg)

Power Requirements
Model CF910: Four AA-size batteries
Models CF920 and CF930: Four AA-size batteries or AC adapter

Specifications subject to change without notice.

1 At 77°F (25°C). Add uncertainty of ±0.2%/°F (±0.36%/°C) away from calibrated temperature.
2 At 77°F (25°C). Add uncertainty of ±0.03% RH/°F (±0.05% RH/°C) away from calibrated temperature.

Contact your local Alnor Distributor or visit our website www.alnor.com for more detailed specifications.