

MedAir 2200

Air Quality Monitor for Hospital Compressed Air Systems

Available for monitoring carbon monoxide, dew point, oxygen, and carbon dioxide

FEATURES

- Carbon Monoxide and Dew Point Monitoring in One Package
- Simple Push-Button Calibration Procedure
- Meets NFPA-99 Requirements
- Programmable Relay Contacts
- Large Easy-to-Read Display
- Alarm Points Adjustable within Preset Limits
- 4-20 mA Output
- RS-232 / RS-485 Modbus Communication Capability
- Many Instrument Configuration Options Available for CO, Dew Point, Oxygen, Carbon Dioxide and Other Toxic Gases
- Approved to UL 60601-1, IEC 60601-1, CSA 22.2, No. 601.1



MedAir 2200

The MedAir 2200 is a versatile microprocessor-based compressed air line monitor for medical air systems. NFPA-99 requires continuous monitoring of carbon monoxide and dew point in medical compressed air lines. The MedAir 2200 configured to monitor CO and dew point is designed to meet these requirements.

The system is modular and can be custom configured to detect any combination of the following hazards: carbon monoxide, dew point, oxygen, and a number of other harmful gases including carbon dioxide. The instrument has a user-friendly interface for all maintenance and operation functions and is provided in a convenient package for hospital air line monitoring applications.



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MedAir 2200

Air Quality Monitor

STANDARD CALIBRATIONS

Alarm Points:	Range:
• 10 and 20 ppm CO	0-50 ppm CO
• 19.5% O ₂ Deficiency	0-30% O ₂
• 23.5% O ₂ Abundance	0-30% O ₂
• -40° and +39°F Dew Point	-112° to +68°F Dew Point
• 500 and 1000 ppm CO ₂	0-5000 ppm CO ₂

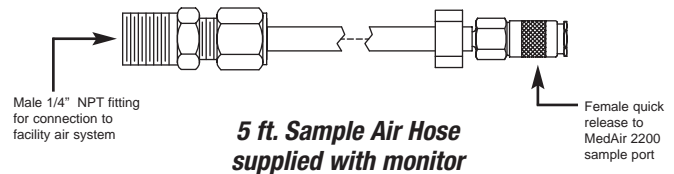
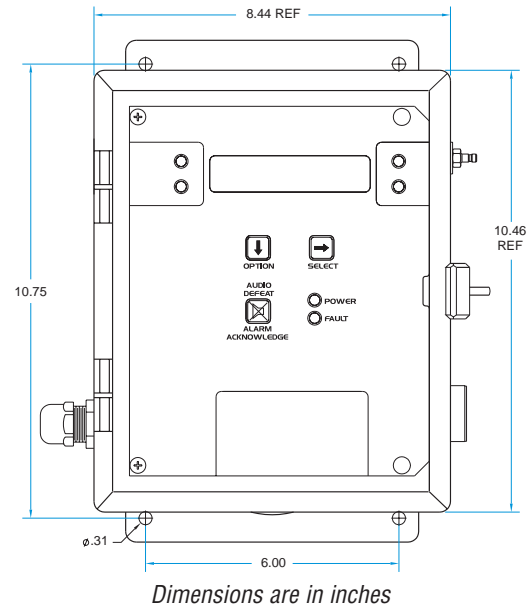
All alarm points are adjustable

SPECIFICATIONS

Operating Power:	100 to 240 Vac and/or 12 Vdc, 15 Watts
Display:	2 line, 16 character, dot matrix LCD
Alarms:	Visual: LEDs; Audible: piezo electric
Alarm Relays:	5 programmable relays plus fault. All relays are programmable latching or non-latching, dry DPDT, 10 amps (resistive load only) at 110 Vac.
Temperature:	32° to 77°F (0 to 25°C) recommended
Sensor Types:	CO and O ₂ : Electrochemical CO ₂ : NDIR Dewpoint: Thin-Film Polymer
Sensor Life: (with calibration/ exchange)	CO: 1-3 years O ₂ : 1-2 years CO ₂ : 3-5 years Dewpoint: 5+ years
Response Times:	
Dewpoint:	T ₉₀ = 10 seconds for -40° to 50°F step change
CO and O ₂ :	T ₉₀ = 30 seconds
O ₂ :	T ₉₀ = 15 seconds
Inlet Pressure:	55 psi facility air supplied
Enclosure:	Thermoplastic box with clear, hinged front cover, designed for NEMA 12 and 4X
Size:	10.5"H x 8.5"W x 5.8"D
Weight:	8 lbs.
Wiring:	Board mounted terminal strip
Horn:	95 dB at 2 feet
Flow Rate:	1 liter per minute (2 SCFH)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MedAir 2200 MOUNTING DIMENSIONS



ORDERING INFORMATION

Description	Part No.
MedAir 2200, CO Monitor	03420-000
MedAir 2200, CO and Oxygen Monitor	03420-001
MedAir 2200, CO and Dew Point	03420-005
MedAir 2200, CO, Oxygen, and Dew Point	03420-006
MedAir 2200, CO, Oxygen, Dew Point and CO ₂	03420-008

Calibration Gas and Hardware- See price list

WARNING: The MedAir 2200, without the oxygen monitoring circuitry, should be used only where there is complete assurance that inert gas cannot be accidentally injected into the breathing air line.

