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**
- **Classified 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.

ENMET CORPORATION

P.O. Box 979, Ann Arbor, MI 48106-0979 734-761-1270 FAX: 734-761-3220 www.enmet.com info@enmet.com

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
• 500 and 1000 ppm CO_2	0-5000 ppm CO_2
• +35° and +50°F Dew Point (+2° and +10°C)	-112° to +68°F (-80° to +20°C) +/- 3.6°F for -76°F to +68°F (+/- 2° C for -60°C to +20°C)

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: CO: 1-3 years, with calibration
O_2: 1-2 years, with calibration
CO_2: 3-5 years, with calibration
Dewpoint: 2 years, replacement

Response Times:
Dewpoint: T_{90} = 10 seconds for -40° to 50°F step change
CO and CO_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

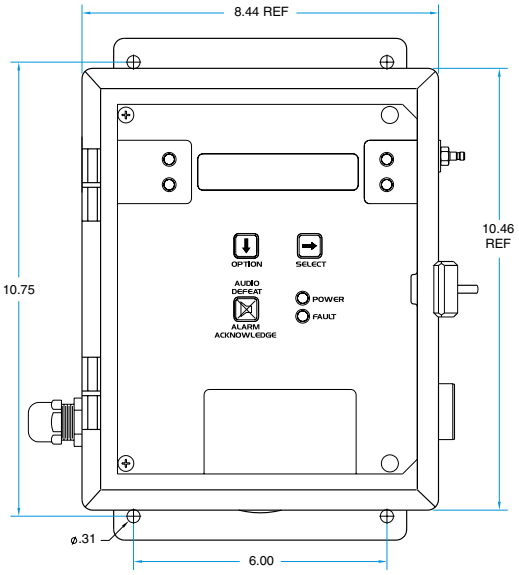
Weight: 8 lbs.

Wiring: Board mounted terminal strip

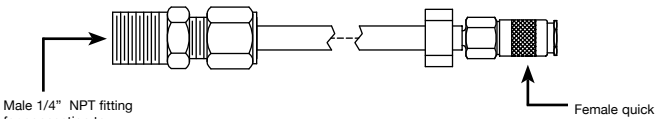
Horn: 95 dB at 2 feet

Flow Rate: 1 liter per minute (2 SCFH)

MedAir 2200 MOUNTING DIMENSIONS



Dimensions are in inches



5 ft. Sample Air Hose supplied with monitor

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.***

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ENMET CORPORATION P.O. Box 979, Ann Arbor, MI 48106-0979 734-761-1270 FAX: 734-761-3220 www.enmet.com info@enmet.com

11/5/13