



**AMD-400  
O2 Monitor**

### Technical Specifications

Range: 0-30% O<sub>2</sub>

Alarm Levels: Alarm 1: 17.5% O<sub>2</sub>, user adjustable  
Alarm 2: 19.5% O<sub>2</sub>, user adjustable  
Alarm 3: 23.5% O<sub>2</sub>, user adjustable

Alarm Adjustment: All 3 alarms are user adjustable between 3 to 30%

Audible Alarm: 105 dB at 30 cm (12 inches)

Note: Alarms 1+2 make on fall, Alarm 3 make on rise

Visual Gas Alarm: 3 Red LEDs

Visual Power/Fault: Green/Red LED

Display: 8 Character, high contrast dot matrix LCD with backlight

Resolution: 1%

Sensor: Electrochemical

Response Time:  $t_{90} = 30$  sec

Accuracy: +/- 10% of reading

Temperature Range: 32° to 104° F (0° to +40° C)

Outputs: Relays: 4 Form C, 10A SPDT contacts, 3 gas alarms & 1 fault  
Analog: 4-20mA Digital: RS-485 Modbus

Power: 110 VAC, 220 VAC and/or 24 VDC, 15W

Power Connection: Supplied with strain relief for 0.20 to 0.35 inch diameter cable

Inlet Air Line Connection: 1/4" NPT female

Air Line Sample Hose to Monitor: 5 foot length

Inlet Pressure: 60-150 psi, air supply lines, 55 psi regulated to monitor

Enclosure: Polycarbonate

Size, Instrument Only: 7 x 5 x 3 inches (18 x 13 x 8 cm)

Weight, Instrument Only: 2 lbs (0.9 kg)

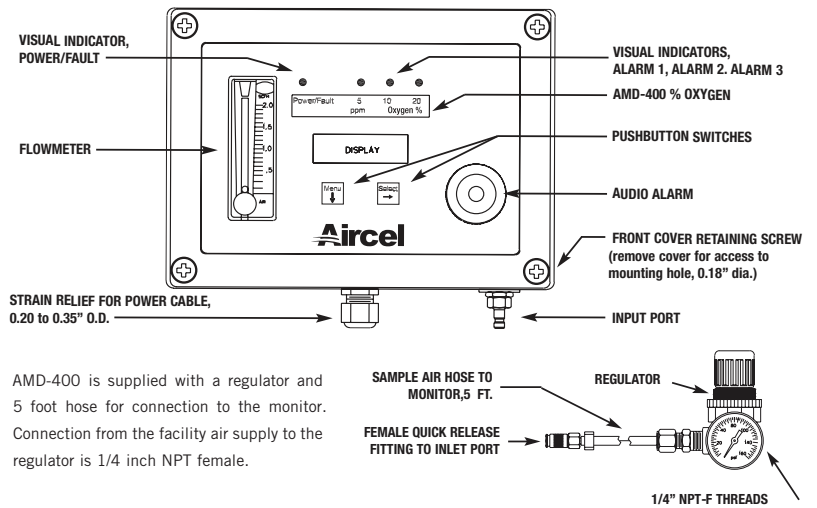
The AMD-400 is a compact, easy to install and operate, compressed air line O<sub>2</sub> monitor. The instrument incorporates a rotameter for confirmation of proper airflow, a backlighted digital display and a highly specific Electrochemical oxygen sensor for trouble free and reliable operation.

The AMD-400 is designed for use in a wide variety of applications ranging from automotive, and similar, paint spray operations to wood finishing. This monitor can be used in virtually any commercial or industrial process that requires O<sub>2</sub> monitoring of compressed breathing air for personnel working in such operations.

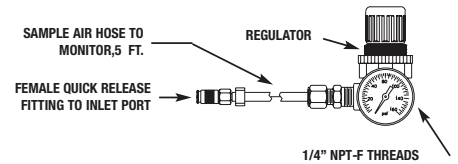
### Standard Features

- Compact Design
- Digital Display
- 4-20 mA Output
- 3 Levels of Alarms
- Audio and Visual Alarms
- High Capacity Relays
- Flow Meter for Confirmation of Airflow
- High Integrity Polycarbonate Enclosure
- Protected Maintenance Functions
- User Programmable Alarms & Relays
- RS-485 Digital Communication Capability
- 110 VAC, 220 VAC, 24 VDC Power Options
- "Intelli-Cal" Push-button Calibration Procedure

### AMD-400 SERIES External Features



AMD-400 is supplied with a regulator and 5 foot hose for connection to the monitor. Connection from the facility air supply to the regulator is 1/4 inch NPT female.



Due to a continuous program of product improvement, specification and dimensions are subject to change without notice.