



**AMD-400
O2 Monitor**

Technical Specifications

Range: 0-30% O2

Alarm Levels: Alarm 1: 17.5% O2, user adjustable
Alarm 2: 19.5% O2, user adjustable
Alarm 3: 23.5% O2, 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)

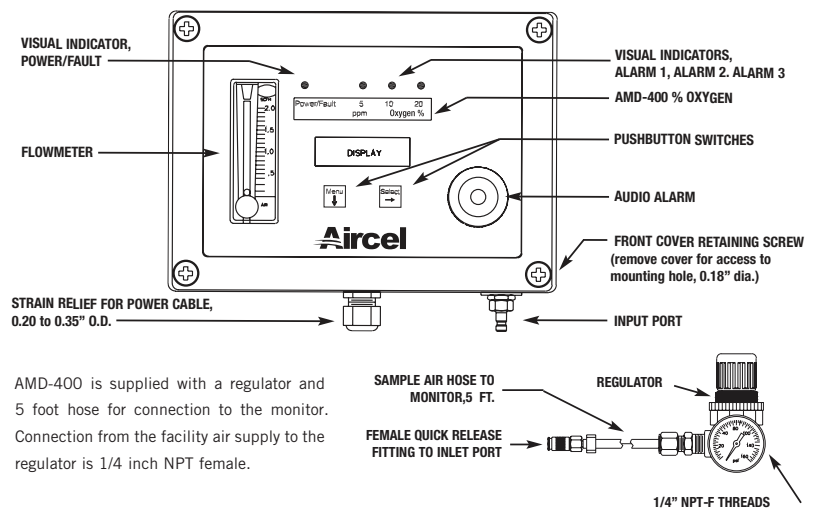
The AMD-400 is a compact, easy to install and operate, compressed air line O2 monitor. The instrument incorporates a rotameter for confirmation of proper airflow, a backlighted digital display and a highly specific Electrochemical oxygen sensor for trouble free and reliable operation.

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 O2 monitoring of compressed breathing air for personnel working in such operations.

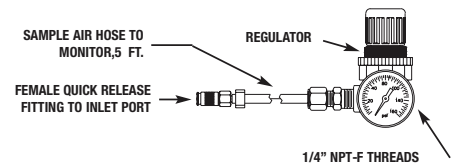
Standard Features

- 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.