



**AMD-300
VOC Monitor**

Technical Specifications

Range: 0-25 ppm

Alarm Levels: C4H8 (Isobutylene)

Alarm 1: 5 ppm C4H8, user adjustable

Alarm 2: 10 ppm C4H8, user adjustable

Alarm 3: 20 ppm C4H8, user adjustable

Alarm Adjustment: All 3 alarms are user adjustable between 3 to 25 ppm

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

Visual Gas Alarm: 3 Red LEDs

Visual Power/Fault: Green/Red LED

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

Resolution: 1 ppm

Sensor: PID (Photoionization Detector)

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

Analogue: 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)

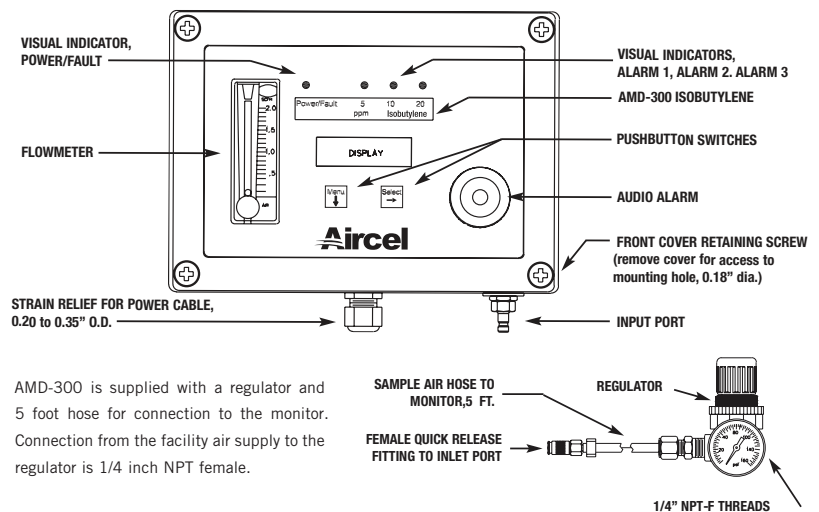
The AMD-300 is a compact, easy to install and operate, compressed air line VOC monitor. The instrument incorporates a rotameter for confirmation of proper airflow, a backlit digital display and a highly specific photoionization detector sensor for trouble free and reliable operation.

The AMD-300 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 VOC 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-300 SERIES External Features



AMD-300 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.