



**AMD-500  
Combination Monitor**

### AMD-500 Series Features

- Monitors Dew Point, CO, VOCs, and Oxygen
- Designed for Monitoring Compressed Air Lines
- Monitors Up to 4 Gases with Internal Sensors
- Designed for use in Industrial, Aerospace, Medical and Pharmaceutical Applications
- Adjustable Alarm Points
- Programmable Relay Contacts
- Large Easy-to-Read Display
- RS-232/RS-485 Modbus Communication
- 4-20 mA Outputs
- VOCs and Dew Point Monitoring in One Package
- Classified to UL 60601-1 IEC 60601-1 & CSA 22.2, No. 601.1

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

The AMD-500 is a microprocessor-based monitor especially designed for use in industrial, aerospace, medical and pharmaceutical applications. It can continuously and simultaneously monitor up to 4 gas conditions.

The system can be configured to monitor a variety of conditions, including: VOCs, dew point, oxygen and carbon monoxide. The instrument has a user-friendly interface for all maintenance and operation functions, and it is protected by a compact and durable NEMA 4x enclosure for process environments.

### AMD-500 SERIES Model Comparison

Model	Channels	Monitoring Type	Sensor Type
AMD-500	4	Dew Point, VOC, CO & O2	Dew Point: TFP (Thin-Film Polymer) VOC: PID (Photoionization Detector) O2 & CO: EC (Electrochemical Cell)
AMD-501	3	Dew Point, VOC & CO	
AMD-502	3	VOC, CO & O2	
AMD-503	3	Dew Point, CO & O2	
AMD-504	2	CO & O2	

Typical 4-Channel		Typical 2-Channel	
CH 1	Alarm 1 Relay 1	CH 1	Alarm 1 Relay 1
CH 2	Alarm 1 Relay 2	CH 1	Alarm 2 Relay 2
CH 3	Alarm 1 Relay 3	CH 2	Alarm 1 Relay 3
CH 4	Alarm 1 Relay 4	CH 2	Alarm 2 Relay 4
CH 1-4	Alarm 1 Relay 5	CH 1-2	Alarm 2 Relay 5

AMD-500 has 5 gas alarm relays and 1 fault relay. The gas alarm relays are completely user programmable. The instrument has the potential of a maximum of 4 sensors (channels), with 2 alarms (Low, High) per channel.

### Technical Specifications

Display: 2 line, 16 character, dot matrix LCD

Alarms: Visual: LEDs, Audible: piezo electric

Horn: 95 dB at 2 feet

Alarm Relays: 5 programmable gas relays plus fault. All relays are programmable latching or non-latching, dry SPDT, 10 amps (resistive load only) at 110 VAC.

Operating Power: 100 to 240 VAC and/or 12 VDC, 15 Watts

Inlet Pressure, for internal sensors: Must be regulated to 55 psi

Flow Rate, for internal sensors: 1 liter per minute (2 SCFH)

Enclosure: Thermoplastic box w/clear, hinged front cover, NEMA 4X designed

Size: 10.5"H x 8.5"W x 5.8"D

Weight: 8 lbs.