



Advanced Micro Instruments, Inc.

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OXYGEN DEFICIENCY MONITOR

A complete solution for Oxygen Deficiency Monitoring.

The **Model 221** offers a complete solution for Oxygen Deficiency Monitoring.

The Model 221 employs a very accurate and responsive 10- year life zirconium oxide sensor that operates with unmatched stability over its entire life. By doing so we can avoid unpopular nuisance alarms typically associated with slight temperature changes and output degradation found in competitive models. Our sensor requires no support gases and can be easily and accurately calibrated using compressed air within 30sec. on an annual basis.

Also included in this package are 2 factory preset Caution (20.0%) and Danger (19.5%) oxygen

concentration alarm relays, a 90db audible beeper set for 19.5%, battery backup in the event you loose A/C power, and an internal circulation fan that helps move otherwise stationary room air.

The Model 221 is a compact, rugged, RFI proof oxygen analyzer utilizing state-of-the-art analog based electronics with a large 3½ digit LCD.

A complete high performance package offered at a minimal cost for your general-purpose application.

MODEL 221 OXYGEN DEFICIENCY MONITOR

SPECIFICATIONS

- **Standard range:** 0-25%.
- **Sensitivity:** 0.1% oxygen
- **Repeatability:** Better than .1% oxygen
- **Display:** 3½ digit LCD
- **Operating temperature range:** 32°-131°F (0-55°C)
- **Diurnal temperature specification:** 32°-131°F (0-55°C), < ±1% of scale
- **90% Response times:** 0-90% < 15 sec
- **Alarms (standard):** 2 factory set oxygen concentration relay contacts. Form C relay contact closure 3A/110VAC. (Dip switch adjustable logic).
- **Output:** 0-1VDC (4-20mA isolated optional)
- **Power requirements:** 117/230VAC ±10% 50/60Hz, < 25 watts
- **Mounting:** Wall mount
- **Area classification:** General purpose
- **Dimensions:** 6.00" W x 6.625" H x 4.25" D
- **Weight:** < 6 lbs

STANDARD FEATURES

- Single range. 0-25%.
- Outputs: 0-1VDC (4-20mA isolated output optional)
- Digital display
- 2 fully adjustable oxygen concentration alarms. Form C contacts.
- 10-year life sensor
- Compact size
- 2 year warranty
- No calibration or support gases necessary
- RFI protected
- Circulation fan to move room air to the detector

ADVANTAGES

- Unprecedented stability
- Long life sensor
- Compact size
- Two year warranty
- Improved temperature specifications
- No support gases necessary
- RFI protected
- Maintenance free
- Battery back up
- Low cost
- Circulation fan to move room air to the detector



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For more information, please contact: