

MODEL 3220

Percent Oxygen Monitoring System

Teledyne Analytical Instruments (TAI) Model 3220 Oxygen Deficiency Detection System provides a streamlined and rugged solution to monitoring breathing oxygen levels in any indoor location where compressed gases may be present.

The 3220 consists of channel modules, each capable of interface with a detector monitoring ambient oxygen levels at a remote location. Detector modules utilize TAI's Class B-3 Micro-Fuel Cell with rugged and easy-to-maintain design, simplifying maintenance.

Channel modules can be mounted in a control module, which can be provided in a 3 or 8 channel configuration available in rack, panel and wall-mount designs. Individual channels can be installed into unused slots or removed as required. Each channel module includes a 0-10 VDC or 4-20mA (negative ground) analog output and two fully-configurable alarms with Form-C contacts. Easy-to-view LEDs give local indication as to an alarm condition.



3220 CHANNEL MODULE



3220 3-CHANNEL & CONTROL MODULE



3220 8-CHANNEL CONTROL MODULE

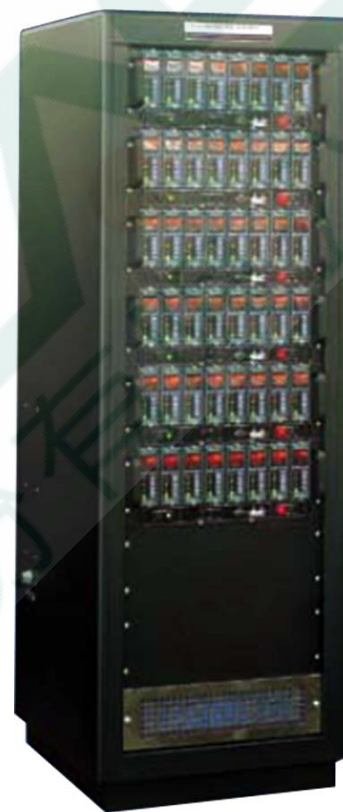
3220 - Percent Oxygen Monitoring System

Specifications – Control / Channel Modules

- **No. of channels:** Up to 8 per control module
- **Field connections:** Terminal strips with screw connections
- **Dimensions of 8-ch control module:** 7" H x 12.3" D x 19" W (178 mm x 312 mm x 483 mm)
- **Housing:** Aluminum, 19" rack-mount
- **Display:** Transreflective backlit 4-digit, 7-segment LCD
- **Range:** 0-25% Oxygen
- **Repeatability:** $\pm 2\%$ of full-scale
- **Accuracy:** $\pm 2\%$ of full-scale at constant temperature
- **Alarm indicator lights:** LED
- **Signal output:** 0-10 VDC, optional
4-20 mA DC (negative ground)
- **Operating temperature:** 32 °F to 122 °F (0 °C to 50 °C)
- **Alarm relays:** Form-C type
Failsafe / Non-failsafe
Latching / Non-latching
- **Power:** 100-240 VAC 50/60 Hz
6 W / channel nominal

Specifications – Detector

- **Probe:** Nylon construction (others available)
1.56" Dia x 2.63" LG
(39.7 mm Dia x 66.7 mm LG)
- **Probe Mounting:** 2 holes, horizontal to one another,
3/16" Dia each, 2.38" separation
- **Standard cable length:** 6 feet (1.8 meters)
- **Non-standard cables:** Available upon request
- **Sensor:** Class B-3 Micro-Fuel Cell
- **Operating Temperature:** 32 °F to 104 °F (0 °C to 40 °C)
- **Accuracy:** $\pm 1\%$ of full-scale
- **Response Time:** 90% of scale in less than
13 seconds
- **Expected life:** 12 months on air exposure



CONTROL MODULE
SYSTEM ENCLOSURE

聯宙科技股份有限公司
Atlas Tech. Corp.
www.atlasgroup.com.tw

地址: 台灣新北市永和區保生路一號22樓
Add: 22F., No.1, Baosheng Rd., Yonghe
Dist., New Taipei City 23444, Taiwan

Tel: +886.2.2232.0556
Fax: +886.2.2231.6657
atlas@atlasgroup.com.tw

