



3220 CHANNEL MODULE

MODEL 320 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 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

7" H x 12.3" D x 19" W (178 mm x 312 mm x 483 mm) Dimensions of 8-ch control module:

Housing: Aluminum, 19" rack-mount Display: Transreflective backlit 4-digit,

7-segment LCD

Range: 0-25% Oxygen Repeatability: ±2% of full-scale

Accuracy: ±2% of full-scale at constant

temperature

Alarm indicator lights: LED

Signal output: 0-10 VDC, optional

4-20 mADC (negative ground)

Operating temperature: 32°F to 122°F (0°C to 50°C)

Form-C type Alarm relays:

Failsafe / Non-failsafe Latching / Non-latching

Power: 100-240 VAC 50/60 Hz 6 W / channel nominal

Specifications - Detector

Nylon construction (others available) 1.56" Dia \times 2.63" LG (39.7 mm Dia \times 66.7 mm LG) Probe:

2 holes, horizontal to one another, 3/16" Dia each, 2.38" separation Probe Mounting:

Standard cable length: 6 feet (1.8 meters)

Non-standard cables: Available upon request Sensor: Class B-3 Micro-Fuel Cell

32°F to 104°F (0°C to 40°C) Operating Temperature:

Accuracy: ±1% of full-scale

Response Time: 90% of scale in less than

13 seconds

12 months on air exposure Expected life:



CONTROL MODULE SYSTEM ENCLOSURE



16830 Chestnut Street City of Industry, CA 91748, USA

TEL: (626) 934-1500 or (888) 789-8168

FAX: (626) 934-1651

E-MAIL: ask_tai@teledyne.com

Warranty

Instrument is warranted for one year against defects in material or workmanship

NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All specifications and features are subject to change without notice.



www.teledyne-ai.com