

# Model AX300 / MX300

## Oxygen analyzer and monitor for the medical industry



From the innovators at Teledyne come two new oxygen analyzers that offer exceptional flexibility and reliability. Using state-of-the-art design concepts and manufacturing techniques, the new microprocessor based AX300 Oxygen Analyzer\* and MX300 Oxygen Monitor\* offer unique features that set these products apart from the competition.

The two models come with:

- LCD backlighting for easy viewing in poor light conditions
- 0-1 VDC or RS-232 signal output for use with recorders or computer
- Audible and visual alarms for sensor disconnect
- Auto diagnostics with error codes to simplify troubleshooting

Calibration is made easy with the touch of a key and settings are secured when the lock key is pressed. The

low power draw allows for 2000 hours of continuous operation on three AA batteries.

These models also feature the improved R-17MED oxygen sensor with two patented improvements that provide enhanced temperature tracking and superior long-term stability and accuracy.

Constructed of high impact resistant materials, these new instruments provide unparalleled performance under the harshest conditions. Ideally suited for use in Respiratory Therapy, Neonatal and Anesthesia applications, medical professionals will appreciate the performance and reliability of these powerful instruments.

\* International configuration depicted  
Approvals: CE, CSA

### AX300 Analyzer

- Microprocessor controlled for enhanced performance
- Large easy to read LCD display with backlighting
- Auto calibration
- Battery strength indicator
- Auto diagnostics with fault codes
- Sensor disconnect / failure alarm
- Improved R-17MED sensor with flow diverter
- Mounting stand
- V mount adapter
- 22 mm T adapter

### MX300 Monitor with Alarms

- Microprocessor controlled for enhanced performance
- Large easy to read LCD display with backlighting
- Auto calibration
- Two fully adjustable alarm set points
- Alarm test key
- Alarm silence key
- Alarm off function
- Battery test key
- Auto diagnostics with fault codes
- Sensor disconnect / failure alarm
- Improved R-17MED sensor with flow diverter
- Mounting stand
- V mount adapter
- 22 mm T adapter

**Built for Reliability and Performance**

# AX300 OXYGEN ANALYZER / MX300 OXYGEN MONITOR

## Specifications

Analysis range: 0-100% oxygen

Full scale accuracy:  $\pm 2\%$  at constant temperature and pressure

Response time: 90% of step change in < 8 seconds

Operating temperature: 10 to 40° C

Storage temperature: 10 to 30° C (continuous), 5 to 50° C (intermittent)

Power requirements: 3 AA alkaline batteries

Battery life: Minimum 2000 hours in non-alarm, no output signal state

Sensor type: Teledyne class R-17MED

Sensor life: 36 months in air (10 months in 100% O<sub>2</sub>)

Sensor storage temp: 0 - 40° C (continuous), 5 - 50° C (intermittent)

Sensor cable: Extends to 10 ft. (3 m)

Weight: 1 lb. (420 gr.)

Dimensions with stand: 5.5" H X 3.5" W X 3" D  
(14 X 8.8 X 7.6 mm)

Signal output: 0-1 VDC or RS-232 (2400 Baud rate)

RFI hardened: Yes

Warranty: Instrument and sensor 24 months; covers defects in material and workmanship

Compliance: ISO 7767

Approvals: CE, CSA

## Options

- 3 digit LCD display
- RS-232 digital output



*Easily secures to poles and shelves*

## Optional Mounting Hardware

1. Wall mount adapter for use with male plastic V mount supplied with unit
2. Universal mounting clamp
3. Pole mount for use with male plastic V mount supplied with unit



## TELEDYNE ANALYTICAL INSTRUMENTS

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## Warranty

Instrument is warranted for 2 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.

