

# oxygen monitoring

## AX300/MX300

AX300 oxygen analyser and MX300 oxygen monitor



Developed using state-of-the-art design and the latest manufacturing techniques, the microprocessor based AX300 Oxygen Analyser and MX300 Oxygen Monitor offer a range of unique standard features that set these models apart from the competition.

Featuring easy calibration, settings are secured when the lock key is pressed. In addition the low power draw allows the units to operate continuously for 2000 hours on just 3 x AA alkaline batteries. Both models also feature the improved R-17MED oxygen sensor providing superior long-term stability and accuracy.

Constructed from high impact resistant materials, these rugged instruments provide unparalleled performance under the harshest conditions.

**Ideally suited  
for use in  
Respiratory  
Therapy,  
Neonatal and  
Anaesthesia  
applications**



### AX300 Analyser features

- Microprocessor controlled for enhanced performance.
- Large easily read backlit LCD display.
- Auto calibration.
- Battery strength indicator.
- Auto diagnostics with fault codes.
- Sensor disconnect/failure alarm.
- Improved R-17MED sensor with flow diverter.
- Sensor cable.
- Mount stand.
- 'V' mount adapter.
- 22 mm 'T' adapter.

### MX300 Monitor additional features

- Two full adjustable alarm set points.
- Alarm test key.
- Alarm silence key.
- Alarm OFF function.
- Battery test key.

# AX300 analyser and MX300 monitor

<b>Analysis range</b>	0 - 100 % Oxygen
<b>Full scale accuracy</b>	± 2% at constant temperature and pressure
<b>Response time</b>	90% of step change in 8 seconds
<b>Operating temperature</b>	0 - 40°C
<b>Storage temperature</b>	-40 - 70°C
<b>Power requirement</b>	3 x AA alkaline batteries
<b>Battery life</b>	Minimum 2000 hours in no-alarm, no output signal state
<b>Sensor type</b>	Teledyne class R-17MED
<b>Sensor life</b>	36 months in air (10 months in 100% O <sub>2</sub> )
<b>Sensor cable</b>	Extendible to 3 metres
<b>Weight</b>	420g
<b>Dimensions with stand</b>	140 mm (H) x 88 mm (W) x 76 mm (D)
<b>Signal output</b>	0 - 1 VDC or RS-232 (2400 Baud rate)
<b>RFI hardened</b>	Yes
<b>Warranty</b>	Instrument: 24 months Oxygen sensor: 12 months Covering defects in materials and workmanship
<b>Options</b>	2.5 digit LCD display RS-232 digital output
<b>Compliance</b>	ASTM F 1462 ASTM F 1463 ISO 7767 ISO 9703-1 ISO 9703-2 EN/IEC 60601-1 EN/IEC 60601-102 MIL-STD-810E
<b>Regulatory approvals</b>	CE, CSA and FDA

## Accessories included

Part Number	Ref/Model	
0100172	B-74466	Base assembly
0110017	C43690	Oxygen sensor R-17MED
0120099	B-50057	Oxygen sensor flow diverter
0120100	A-268	'T' adapter (22 mm, tapered). 22 mm I.D. - 22 mm O.D., T 15 mm I.D.
0121213	B-74463	'V' mount adapter
0131200	C74721	Oxygen sensor cable

## Optional mounting hardware



1. 'V' wall mount



2. Universal mounting clamp



3. 'V' mount pole clamp

CE 0086

Specifications Subject to Change

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Part Number: 0191195  
Date: 11/10



BS EN ISO 9001:2008  
ISO 13485:2003