

# oxygen monitoring



## AX300/MX300

AX300 oxygen analyser and MX300 oxygen monitor

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



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.

### 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

Analysis range	0 - 100 % Oxygen
Full scale accuracy	± 2% at constant temperature and pressure
Response time	90% of step change in 8 seconds
Operating temperature	0 - 40°C
Storage temperature	-40 - 70°C
Power requirement	3 x AA alkaline batteries
Battery life	Minimum 2000 hours in no-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 cable	Extendible to 3 metres
Weight	420g
Dimensions with stand	140 mm (H) x 88 mm (W) x 76 mm (D)
Signal output	0 - 1 VDC or RS-232 (2400 Baud rate)
RFI hardened	Yes
Warranty	Instrument: 24 months Oxygen sensor: 12 months Covering defects in materials and workmanship
Options	2.5 digit LCD display RS-232 digital output
Compliance	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
Regulatory approvals	CE, CSA and FDA

## Accessories included

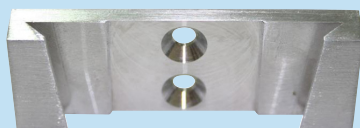
Part Number	Ref/Model	
0100172	B-74466	Base assembly
0110017	C43690	Oxygen sensor R-17MED
0120099	B-50057	Oxygen sensor flow diverter
0120100	A-268	'T' adapter (22 mm, tapered). 22 mm I.D. - 22 mm O.D., T 15 mm I.D.
0121213	B-74463	'V' mount adapter
0131200	C74721	Oxygen sensor cable

## Options and accessories

Part No	Ref/Model	
0120101	A51589	Oxygen sensor adapter cap, female (22 mm)
0120102	A51588	Oxygen sensor adapter cap, male (22 mm)
0120103	A284	Universal adapter set for paediatric circuits (15 mm)
0120104	A274	'T' adapter, autoclavable
0120105	A283	'T' adapter, metal
0121197		'V' mount pole clamp, horizontal
0121198		'V' mount rail clamp
0121199		Swivel mount
0121200	CP2345	Universal mounting clamp
0121201	CP2344	'V' mount pole clamp
0121202	B647	'V' wall mount
0121203	B-75554	0-1 V DC interface cable
0121204	B-75555	RS232 interface cable
0121205	C53790	Calibration assembly for AX300 and MX300.

Other options available include a 2.5 digit display and a RS232 output.

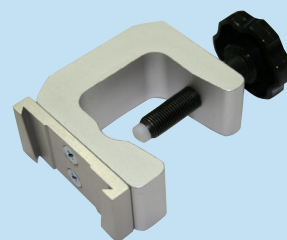
## Optional mounting hardware



1. 'V' wall mount



2. Universal mounting clamp



3. 'V' mount pole clamp

CE 0086

Specifications Subject to Change

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BS EN ISO 9001:2008  
ISO 13485:2003