

oxygen monitoring



Oxygen Analyser and Monitor

AX300 oxygen analyser and MX300 oxygen monitor



Developed using state-of-the-art design, 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 and settings are secured automatically. 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 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**



Teledyne Oxygen Monitors and Analysers

AX300 Analyser features

- Microprocessor controlled for enhanced performance
- Large easily read backlit LCD display
- Auto calibration
- 18% Hypoxic alarm
- Battery strength indicator
- Auto diagnostics with fault codes
- Sensor disconnect/failure alarm
- R-17MED sensor with flow diverter
- Sensor cable
- Mount stand
- 'V' mount adapter
- 22mm 'T' adapter

MX300 Monitor additional features

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

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 ₂)
Sensor cable	Extendable 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
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

Terms Explained...

Outputs

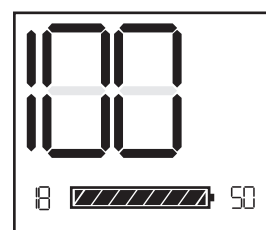


Analogue

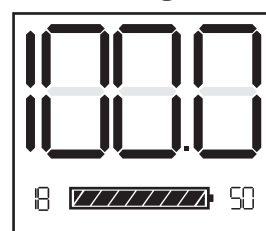


RS232

Actual Size Screens



2.5 Digits



3.5 Digits

Includes batteries, operator manual and the following standard accessories:

0100172  Base Assembly	0110017  R-17MED Oxygen Sensor	0120099  Flow Divertor	0120100  'T' Adapter	0121213  'V' Mount Adapter	0131202  Viamed Oxygen Sensor Cable
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See back page for optional extra accessories...

AX300



Actual Size
3.5 digit display

A 0111230

Standard Unit

- 3.5 Digit Display
- Analogue Output

R 0111232

- 3.5 Digit Display
- RS232 Output

A 0111233

- 2.5 Digit Display
- Analogue Output

R 0111234

- 2.5 Digit Display
- RS232 Output

MX300



Actual Size
3.5 digit display

A 0111235

Standard Unit

- 3.5 Digit Display
- Analogue Output

R 0111237

- 3.5 Digit Display
- RS232 Output

A 0111238

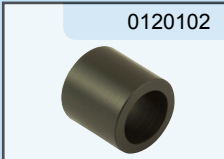
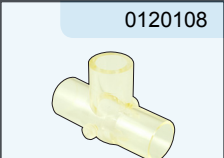
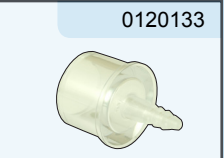
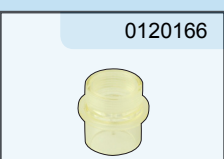
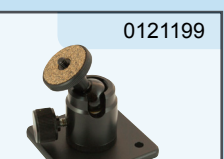
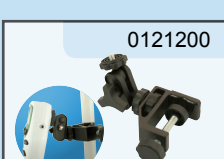
- 2.5 Digit Display
- Analogue Output

R 0111239

- 2.5 Digit Display
- RS232 Output

Teledyne Oxygen Monitors and Analysers

Additional Optional Accessories

 0131201 Teledyne Sensor Cable Straight Connectors	 0131202 Viamed Sensor Cable Right Angled Connectors	 0121205 Callibration Assembly	 0121203 DC Interface Cable	 0121204 RS232 Interface Cable	 0120101 Oxygen Sensor Adapter Cap 22mm ID
 0120102 Oxygen Sensor Adapter Cap 22 mm OD	 0120120 Oxygen Concentrator Adapter	 0120106 'T' Adapter 22mm ID - 22mm OD	 0120107 'T' Adapter Non Rebreathing	 0120109 'T' Adapter Non Rebreathing	 0120105 'T' Adapter Metal
 0120103 'T' Adapter 15mm Paediatric Circuit	 0120104 'T' Adapter 22 mm OD - 22mm ID	 0120108 'T' Adapter 22 mm OD - 22 mm OD	 0120130 Connector 15 mm OD Tapered Barbed	 0120131 Connector 15 mm ID/ 22 mm OD Tapered	 0120133 Connector 22 mm ID/ 30 mm OD
 0120164 Spring Loaded FIO ₂ Sensor Adapter	 0120165 Replacement 'T' Assembly for MT10	 0120166 Replacement Activator for MT100	 0121197 'V' Mount Pole Clamp Horizontal	 0121184 'V' Mount Rail Clamp Small: 14 - 25mm span	 0121199 Swivel Mount
 0121200 Universal Mounting Clamp	 0121181 'V' Mount Pole Clamp Small: 14 - 25mm span	 0121182 'V' Mount Pole Clamp Large: 16 - 40mm span	 0121280 'V' Wall Mount	 ???	

CE 0086

Specifications Subject to Change

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BS EN ISO 9001:2008
ISO 13485:2003