

oxygen monitoring



Oxygen Analyser and Monitor

AX300 oxygen analyser and MX300 oxygen monitor



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 which are secured automatically. In addition the low power requirement 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% Hypoxia alarm
- Battery strength indicator
- Auto diagnostics with fault codes
- Sensor disconnect/failure alarm
- R-17MED oxygen sensor with flow diverter
- Sensor cable
- Mounting stand
- 'V' mount adapter
- 22mm 'T' adapter

MX300 Monitor additional features

- Two fully adjustable alarm set points (range 18 - 100%)
- 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 < 6 seconds at 25°C
Operating temperature	0 - 40°C
Storage temperature	10 - 30°C (continuous), 5 - 50°C (intermittent)
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 (approximately 7.5 months in 100% O ₂)
Sensor cable	Coiled, extendable
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
Standards Applied	EN 60601-1 3rd Edition, EN 60601-1-2, EN 60601-1-6, EN 14971:2007, EN ISO 21647
Regulatory approvals	CE, CSA and FDA

Terms Explained...

Outputs

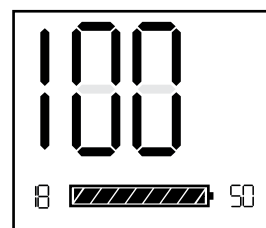


Analogue

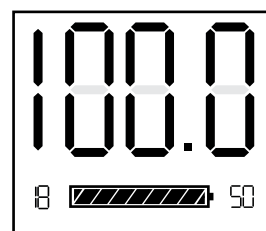


RS232

Actual Size Screens

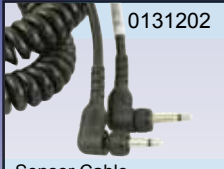
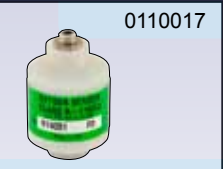
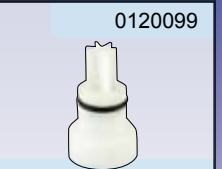


2.5 Digits



3.5 Digits

Includes batteries, operator manual and the following standard accessories:

 0131202 Sensor Cable (Coiled 0.9m, extendable) Right angled connectors	 0110017 R-17MED Oxygen Sensor	 0120099 Sensor Flow Divertor 15mm O.D.	 0120100 'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D.	 0100172 Mounting Stand plus 3 x 0131205 rubber feet	 0121213 'V' Mount Adapter
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See back page for optional extra accessories...

A

0111230

Standard Unit

- 3.5 Digit Display
- Analogue Output

20.9

R

0111232

3.5 Digit Display

RS232 Output

20.9

A

0111233

2.5 Digit Display

Analogue Output

20

R

0111234

2.5 Digit Display

RS232 Output

20

AX300



Oxygen Analysers
with fixed 1.8% low alarm

Actual Size
3.5 digit display

A

0111235

Standard Unit

- 3.5 Digit Display
- Analogue Output

20.9

8 50

R

0111237

3.5 Digit Display

RS232 Output

20.9

8 50

A

0111238

2.5 Digit Display

Analogue Output

20

8 50

R

0111239

2.5 Digit Display

RS232 Output

20

8 50

MX300

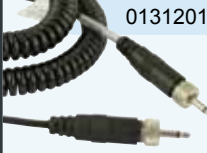
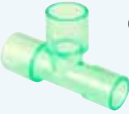


Oxygen Monitors
with adjustable low & high alarms

Actual Size
3.5 digit display

Teledyne Oxygen Monitors and Analysers

Additional Optional Accessories

 0131150 Sensor Cable (Straight 3m) Right angled connectors	 0131201 Sensor Cable (Coiled 1m, extendable) Straight connectors	 0121203 Interface Cable (1.5m) for analogue output	 0121204 Interface Cable (1.5m) for RS232 output	 0120101 Sensor Adapter Cap 22mm I.D.	 0120102 Sensor Adapter Cap 22mm O.D.
 0120120 Oxygen Concentrator Adapter Cap	 0121205 Calibration Assembly	 0120110 Perfusion Circuit 'T' Adapter Set	 0120103 'T' Adapter 15mm I.D. - 15mm O.D., T = 15mm I.D. for paediatric circuits	 0120106 'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Extended 'T'	 0120107 'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Non re-breathing
 0120109 'T' Adapter 15mm O.D. / 22mm O.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Non re-breathing	 0120104 'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D.	 0120108 'T' Adapter 22mm O.D. - 22mm O.D., T = 15mm I.D./22mm O.D.	 0120105 'T' Adapter - Metal 22mm I.D. - 22mm O.D., T = 15mm I.D.	 0120130 Connector 15mm O.D. - tapered barb	 0120131 Connector 15 mm I.D./ 22mm O.D. - tapered barb
 0120133 Connector 22mm I.D./ 30mm O.D. - tapered barb	 0120164 FiO₂ Sampling System 22mm I.D. - 22mm O.D.	 0120165 Replacement 'T' Adapter for 0120164	 0120166 Replacement Activator for 0120164	 0121180 'V' Wall Mount	 0121181 'V' Mount Pole Clamp Small: 14 - 25mm clamping width
 0121182 'V' Mount Pole Clamp Large: 16 - 40mm clamping width	 0121197 'V' Mount Pole Clamp Horizontal 10 - 40mm clamping width	 0121184 'V' Mount Rail Clamp Attaches to most types of medirail - 30mm (H) x 10mm (D)	 0121199 Table Top Swivel Mount*	 0121200 Universal Mounting Clamp*	

* Attaches to the threaded socket on the rear of the units

CE 0086

Specifications Subject to Change

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