

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
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

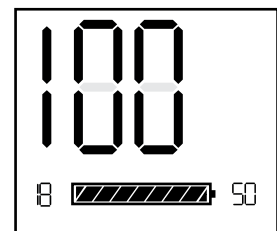


Analogue

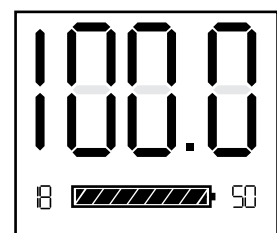


RS232

Actual Size Screens

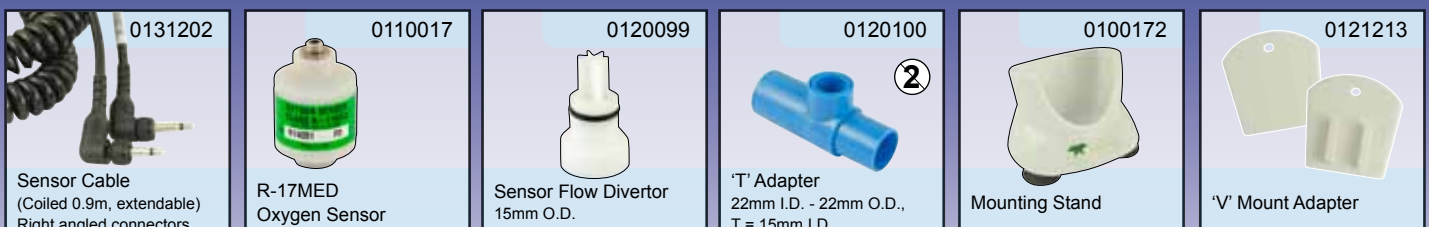


2.5 Digits




3.5 Digits

Includes batteries, operator manual and the following standard accessories:



See back page for optional extra accessories...


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

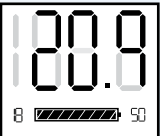
AX300



Oxygen Analysers
with fixed 1.8% low alarm

Actual Size
3.5 digit display

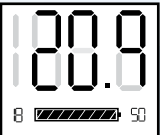
A 0111235



Standard Unit

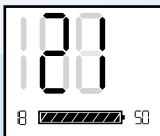
- 3.5 Digit Display
- Analogue Output

R 0111237



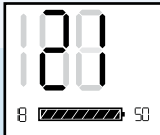
- 3.5 Digit Display
- RS232 Output

A 0111238



- 2.5 Digit Display
- Analogue Output

R 0111239



- 2.5 Digit Display
- RS232 Output

MX300



Oxygen Monitors
with adjustable low & high alarms

Actual Size
3.5 digit display

Teledyne Oxygen Monitors and Analysers

Additional Optional Accessories

 <p>0131150</p> <p>Sensor Cable (Straight 3m) Right angled connectors</p>	 <p>0131201</p> <p>Sensor Cable (Coiled 1m, extendable) Straight connectors</p>	 <p>0121203</p> <p>Interface Cable (1.5m) for analogue output</p>	 <p>0121204</p> <p>Interface Cable (1.5m) for RS232 output</p>	 <p>0120101</p> <p>Sensor Adapter Cap 22mm I.D.</p>	 <p>0120102</p> <p>Sensor Adapter Cap 22mm O.D.</p>
 <p>0120120</p> <p>Oxygen Concentrator Adapter Cap</p>	 <p>0121205</p> <p>Calibration Assembly</p>	 <p>0120110</p> <p>Perfusion Circuit 'T' Adapter Set</p>	 <p>0120103</p> <p>'T' Adapter 15mm I.D. - 15mm O.D., T = 15mm I.D. for paediatric circuits</p>	 <p>0120106</p> <p>'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Extended 'T'</p>	 <p>0120107</p> <p>'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Non re-breathing</p>
 <p>0120109</p> <p>'T' Adapter 15mm O.D. / 22mm O.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Non re-breathing</p>	 <p>0120104</p> <p>'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D.</p>	 <p>0120108</p> <p>'T' Adapter 22mm O.D. - 22mm O.D., T = 15mm I.D./22mm O.D.</p>	 <p>0120105</p> <p>'T' Adapter - Metal 22mm I.D. - 22mm O.D., T = 15mm I.D.</p>	 <p>0120130</p> <p>Connector 15mm O.D. - tapered barb</p>	 <p>0120131</p> <p>Connector 15 mm I.D./ 22mm O.D. - tapered barb</p>
 <p>0120133</p> <p>Connector 22mm I.D./ 30mm O.D. - tapered barb</p>	 <p>0120164</p> <p>FiO₂ Sampling System 22mm I.D. - 22mm O.D.</p>	 <p>0120165</p> <p>Replacement 'T' Adapter for 0120164</p>	 <p>0120166</p> <p>Replacement Activator for 0120164</p>	 <p>0121280</p> <p>'V' Wall Mount</p>	 <p>0121181</p> <p>'V' Mount Pole Clamp Small: 14 - 25mm clamping width</p>
 <p>0121182</p> <p>'V' Mount Pole Clamp Large: 16 - 40mm clamping width</p>	 <p>0121197</p> <p>'V' Mount Pole Clamp Horizontal 10 - 40mm clamping width</p>	 <p>0121184</p> <p>'V' Mount Rail Clamp Attaches to most types of medirail - 30mm (H) x 10mm (D)</p>	 <p>0121199</p> <p>Table Top Swivel Mount*</p>	 <p>0121200</p> <p>Universal Mounting Clamp*</p>	

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

CE 0086

Specifications Subject to Change

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