The microprocessor based AX300-I Oxygen Analyser and MX300-I 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.
AX300-I 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-I 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% O₂)

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

Includes batteries, operator manual and the following standard accessories:

Sensor Cable
(Coiled 0.9m, extendable)
Right angled connectors
R-17MED Oxygen Sensor
Sensor Flow Divertor
15mm O.D.
‘T’ Adapter
22mm I.D. - 22mm O.D., T = 15mm I.D.
Mounting Stand
‘V’ Mount Adapter

See back page for optional extra accessories...
Oxygen Analysers with fixed 18% low alarm

Standard Unit
- 3.5 Digit Display
- Analogue Output
- 3.5 Digit Display
- RS232 Output

AX300-I

0111230

Oxygen Monitors with adjustable low & high alarms

Standard Unit
- 2.5 Digit Display
- Analogue Output
- 2.5 Digit Display
- RS232 Output

MX300-I

0111235

Actual Size
3.5 digit display

0111237

Actual Size
3.5 digit display

0111238

0111239
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.

0121200 Oxygen Concentrator Adapter Cap
0121205 Calibration Assembly
0121010 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. Non re-breathing
0120107 'T' Adapter 22mm I.D. - 22mm O.D., T = 15mm I.D./22mm O.D. Extended 'T'

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 I.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 15mm I.D. / 22mm O.D. - tapered barb

0121133 Connector 22mm I.D. / 30mm O.D. - tapered barb
0120164 FiO₂ Sampling System 22mm I.D. - 22mm O.D.
012165 Replacement 'T' Adapter for 0120164
0120166 Replacement Activator for 0120164
0121280 Interface Cable (1.5m) for RS232 output
0121184 'V' Mount Pole Clamp Large: 16 - 40mm clamping width
0121181 'V' Wall Mount
0121197 'V' Mount Pole Clamp Horizontal 10 - 40mm clamping width
0121199 'V' Mount Rail Clamp Attaches to most types of medirail - 30mm (H) x 10mm (D)
0121200 Universal Mounting Clamp*

0131201 Sensor Cable (Coiled 1m, extendable) Straight connectors
0131150 Sensor Cable (Straight 3m) Right angled connectors

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

Specifications Subject to Change

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