

OM-25ME & MEL Comparison Chart

	MiniOx 3000 (MSA)	MX-300 (Teledyne)	H5800 (Hudson)	OM-25ME (Maxtec)	OM-25MEL (Maxtec)
Dimensions (H x W x D)	5.98" x 3.26" x 1.31"	4.5" x 2.5" x 1.25"	5.5" x 3.6" x 1.5"	3.5" x 5.5" x 1.5"	3.5" x 5.5" x 1.5"
Weight	9.2 oz	--	7.7 oz	14.8 oz	14.8 oz
LCD Display	0.75" Display	0.6" Display	0.6" Graphic Display	0.75" Display	0.75" Display
LCD Backlight	No	Yes	No	No	No
Humidity (non-condensing)	5-95% RH	--	0-100% RH	0-95% RH	0-95% RH
Accuracy	±1% of full scale (RTP*) as calibrated in the environment of use	±2% of full scale (at constant temperature and pressure)	±2% full scale	±3% actual oxygen level over full temperature range	±3% actual oxygen level over full temperature range
Linearity	2% (including linearity)	--	±1% full scale when calibrated at 100% Oxygen	1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale	1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale
Response	90% in 20 seconds, 97% in 30 seconds	90% in < 8 seconds @ 25°C	10 seconds	90% of final value in approximately 15 seconds @ 23°C	90% of final value in approximately 15 seconds @ 23°C
Temperature	0°C to 40°C	0 to 40°C	0 to 40°C	15 to 40°C	15 to 40°C
Measurement Range	0 to 100%	0 to 100%	0 to 100%	0 to 100%	0 to 100%
Battery Type	1 9V Alkaline	3 AA Alkaline	2 AA 1.5V Alkaline	2 AA 1.5V Alkaline	2 AA 1.5V Alkaline
Battery Life	Approximately 1500 device hours, assuming 80% ON, 20% OFF	2000 hours (continuous use)	Approximately 500 hours	Approximately 3000 hours (typical use)	Approximately 3000 hours (typical use)
Sensor Type	Galvanic Mini OX P/N 406931	Galvanic Class R17MED	Galvanic 5803	Galvanic MAX-250E	Galvanic MAX-250E
Sensor Operating Life	Over 1 year in normal medical conditions (nominal 750,000 Oxygen hours)	36 months in air (10 months when continuously exposed to 100% oxygen)	1 year	>900,000 O2% hours, (over 2 years in typical medical applications)	>900,000 O2% hours, (over 2 years in typical medical applications)
Sensor Cable	--	Retracted: 2 feet Extended: 10 feet	Extended: 12 feet	Retracted: 2 feet Extended: 10 feet	Retracted: 2 feet Extended: 10 feet
Sensor Test	--	--	Sensor test with every CAL	--	--
Warm Up Time	--	--	None	None required	None required
Power On Time	Approximately 36 seconds Forced 21 or 100% calibration on every power-up	Instant	Approximately 37 seconds (min) Forced 21 or 100% calibration on every power-up	Instant	Instant
Alarm Specifications	--	--	--	--	--
Alarm System	Pulsating alarm, flashing LED's	--	High/Low alarm, flashing LED's, 2,300Hz beeper	High/low alarms, flashing red LED's, nominal 2300Hz audible alarm beeper	High/low alarms, flashing red LED's, nominal 2300Hz audible alarm beeper
Alarm Range High	--	19 to 100%	16 to 100%	19% to 99% (>1% higher than high alarm)	16% to 99% (>1% higher than high alarm)
Alarm Range Low	--	18 to 99%	15 to 99%	18% to 99% (>1% lower than low alarm)	15% to 99% (>1% lower than low alarm)
Alarm Accuracy	--	Alarm thresholds are digitally stored and alarm effectivity is digitally compared against the value calculated by the microprocessor. Hence, the accuracy of the alarms is the same as the accuracy of the unit as specified above.	Exact to displayed alarm Value	Exact to displayed alarm value	Exact to displayed alarm value