

MAXO₂[®]+ Comparison Chart

	Hudson 5801 (External Sensor)	Hudson 5802 (External Sensor)	Teledyne AX-300	Invacare Check O2 Plus	MAXO ₂ +A (Internal Sensor)	MAXO ₂ +AE (External Sensor)
Dimension (H x W x D)	5.5" x 3.6" x 1.5"	5.5" x 3.6" x 1.5"	4.8" x 2.7" x 1.6"	7.3" x 3.3" x 1.25"	3.75" x 3.00" x 1.33"	3.75" x 3.00" x 1.33"
Weight	7.7 oz	7.6 oz	---	10 oz	6.4 oz	9.6 oz with sensor
LCD Display	0.6" Graphic Display	0.6" Display	0.6" Graphic Display	0.35" Digit	0.6" Display	0.6" Display
LCD Backlight	No	No	Yes	No	No	No
Humidity	0-100% RH (non-condensing)	0-100% RH (non-condensing)	---	20% to 60% Relative Humidity	0-95% RH (non-condensing)	0-95% RH (non-condensing)
Accuracy	±2% full scale	±2% full scale	±2% full scale (at constant temperature and pressure)	±2%	±3% actual oxygen level over full temperature range 1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale	±3% actual oxygen level over full temperature range 1% of full scale at constant temperature, R.H. and pressure when calibrated at full scale
Linearity	±1% full scale when calibrated at 100% oxygen	±1% full scale when calibrated at 100% oxygen	---	---	---	---
Response	10 seconds	10 seconds	90% in < 8 seconds @ 25°C	---	90% in < 15 seconds @ 25°C	90% in < 15 seconds @ 25°C
Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	15 to 35°C	15 to 40°C	15 to 40°C
Measurement Range	0 to 100%	0 to 100%	0 to 100%	73% to 96%	0 to 100%	0 to 100%
Battery Type	2 AA 1.5V Alkaline	2 AA 1.5V Alkaline	3 AA Alkaline	1 9V Alkaline	2 AA 1.5V Alkaline	2 AA 1.5V Alkaline
Battery Life	Approximately 500 hours	Approximately 500 hours	2000 hours (continuous use)	400+ hours (13,700 +read cycles) (Unit Times OFF after 2 minutes)	Approximately 5000 hours (continuous use)	Approximately 5000 hours (continuous use)
Sensor Type	Galvanic 5803	Galvanic 5804	Galvanic Class R17MED	non-replaceable	Galvanic MAX-250+	Galvanic MAX-250E
Sensor Operating Life	1 year	1 year	36 months in air (10 months when continuously exposed to 100% oxygen)	---	>900,000 O ₂ %hours, minimum 2 years in typical medical applications	>900,000 O ₂ %hours, minimum 2 years in typical medical applications
Sensor Cable	Extended: 12 feet	---	Retracted: 2 feet Extended: 10 feet	---	---	10 feet extended 2 feet retracted
Sensor Test	Sensor test with every CAL	Sensor test with every CAL	---	---	---	---
Warm Up Time	---	---	---	---	None required	None required
Power On Time	---	---	---	1 minute, 45 seconds ± 5 seconds	---	---
Cal Reminder	---	---	---	---	One week timer started with every CAL	One week timer started with every CAL