

UltraMAXO₂ Comparison Guide



	ULTRAMAX O ₂ (510K PENDING)	DIGIFLO CONCENTRATOR	CHECK O ₂ PLUS	PRO ₂ CHECK ELITE
Size	3.16" W x 5.10" H x 1.04" D	1.5" W x 9" H x 1.5" D	3.3" W x 7.3" H x 1.25" D	3.60" W x 5.75" H x 1.29" D
Weight	6.38oz (181g)	6.31oz (179g)	10.40oz (295g)	9 ounces (255.15g)
Connector	Hose Barb	Hose Barb	(2) Hose Barbs	(2) ¼" anodized aluminum hose barbs
Case	Solid color ABS plastic			Solid color ABS plastic with threaded metal bolt channels
Battery	2 AA Alkaline batteries (2 x 1.5 Volts)	Alkaline 9V battery	Alkaline 9V battery	Alkaline 9V battery
Battery life	≥1,100 hours (16,500 read cycles)	270+ read cycles	400+ hours (13,700+ read cycles)	
Auto-Off Time (Read Cycle Length)	4 minutes	2 minutes	1 minute, 45 seconds ±5 seconds	5 minutes
Range: Oxygen Concentration	20.9 - 96% (from a concentrator)	20.8 - 96%	73 - 96%	20.9 - 100%
Resolution: Oxygen Concentration	0.1% Oxygen	0.1% Oxygen	0.1% Oxygen	0.1% Oxygen
Accuracy: Oxygen Concentration	±1.5 % of full scale at constant temperature and optimal flow	±1.8%	±2%	±2%
Range: Flow Rate	0 - 10 LPM	0 - 20 LPM	0 - 6 LPM	0 - 10 LPM
Resolution: Flow Rate	0.1 LPM	0.1 LPM	0.1 LPM	0.1 LPM
Accuracy: Flow Rate	±0.2 LPM	±0.2 LPM	± 5% F.S. (± 0.3 LPM)	± .3 LPM (± 3% of full scale)
Range: Pressure	0.5 - 50 PSI (3.4 - 344 kPa)	0 - 35 PSI (0 to 241.3 mmHg)	0 to 10 PSIG (0 to 68.9 kPa)	0 to 25 PSIG (0 to 172 kPa)
Resolution: Pressure	0.1 PSI (0.1 up to 199, 1 from 200 to 344 kPa)	0 to 30 PSI (0 to 207 KPA)	0.1 PSI (0.7 kPa)	0.1 PSIG (.1 up to 99.9 kPa; 1.0 over 100 kPa)
Accuracy: Pressure	±0.5% PSI (±0.5% kPa)	±0.5%	± 2% F.S.	± 1% of Full Scale
Pressure Maximum	50 PSI	40 PSIG (276 KPA)		
Response Time	≤17 seconds	0.1 Second		10 seconds
Warm-up Time	< 1 second			
Limited Warranty	3 years	2 years	2 years	2 years
Operating Temperature Range	59 -104°F (15 - 40°C)	50 - 113°F (10 to 45°C)	59 - 95°F (15 - 35°C)	32 - 105°F (0 - 41°C)
Storage Temperature Range	5 - 140°F (-15 - 60°C)		-4 - 158°F (-20 - 70°C)	-29 - 160° F (-34 - 71° C)
Humidity Compensated	Yes	No	No	No
Altitude Maximum	800 - 1000 mBars		Up to 6000 ft. (1828 meters) above sea level	Please verify calibration if used over 5,000 feet.