

acniti LLC
1-2-9 Nyoidani
Minoh Osaka
562-0011
Japan

ultramax o2: ultrasonic oxygen gas analyzer acniti

The Ultramax O2 is a portable 3-in-1 oxygen gas analyzer that measures O2 purity, flow rate, and pressure in one compact device. Using ultrasonic sensor technology, it requires no sensor replacements and no field calibration - ideal for oxygen generator monitoring, industrial gas analysis, and environmental testing.

ultramax o2: ultrasonic oxygen gas analyzer acniti

ultramax o2 - 3-in-1 ultrasonic oxygen gas analyzer

- 3-in-1 Functionality: Measures oxygen purity (20.9-96%), flow rate (0-10 LPM), and outlet pressure (0.5-50 PSI / 3.4-344 kPa)
- Ultrasonic Sensor Technology: No need for traditional oxygen sensors, reducing maintenance costs and extending device lifespan
- No In-Field Calibration Required: Features a calibration verification button for quick accuracy checks
- User-Friendly Design: Large, easy-to-read LCD display with clear, bold numbers for quick readouts
- Durable and Portable: Compact size with a protective silicone case for easy transport and increased durability
- UltraMaxO2 for oxygen concentrator maintenance
- Blocking the outlet automatically switches the display to show discharge pressure.

The UltramaxO2 Oxygen Analyzer is a high-performance device that accurately measures oxygen levels in various applications. Engineered for precision and reliability, it delivers exceptional performance in multiple industries, including healthcare, manufacturing, environmental monitoring, and more.

key features

- Advanced Sensing Technology: Equipped with state-of-the-art oxygen sensing technology, the UltramaxO2 delivers fast and accurate measurements, ensuring real-time monitoring of oxygen concentrations.
- Wide Measurement Range: This analyzer can measure oxygen levels across a broad range, from low to high concentrations, making it suitable for various applications, including industrial processes and medical settings.
- User-Friendly Interface: The UltramaxO2 features an intuitive display and easy-to-navigate controls, ensuring effortless operation. Its user-friendly interface allows for quick setup and simplified monitoring.
- Durable and Robust Design: Built to withstand demanding environments, the UltramaxO2 is housed in a rugged casing, ensuring long-lasting performance and protection against dust, moisture, and harsh conditions.
- Fast Response Time: With a rapid response time, the UltramaxO2 guarantees

Copyright © 2026

immediate results, allowing quick decision-making in critical situations.
- Versatile Calibration Options: The UltramaxO2 offers flexible calibration options, ensuring precise and reliable measurements for a wide range of applications and environments.
- Compact and Portable: The UltramaxO2's compact, lightweight design makes it easy to transport and use in both fixed and portable setups.

benefits

- Time-Saving: Quick setup and fast readings streamline the testing process
- Cost-Effective: Eliminates the need for sensor replacements, reducing long-term ownership costs
- Versatile: Integrated pressure monitoring eliminates the need for additional equipment
- Reliable: Self-diagnostics and error code display ensure accurate measurements

applications

- Medical Industry: To monitor oxygen levels in gas systems, hospitals, and clinics.
- Industrial Applications: Ideal for oxygen analysis in manufacturing, welding, and gas production.
- Environmental Monitoring: Used to measure oxygen levels in air quality studies and environmental testing.
- Research and Development: Essential for laboratories conducting experiments requiring precise oxygen measurements.

technical specifications

- Oxygen Measurement Accuracy: ±1.5% of full scale at constant temperature and optimal flow
- Flow Measurement Accuracy: ±0.2 LPM
- Pressure Measurement Accuracy: ±0.5% PSI (±0.5% kPa)
- Power: 2 AA Alkaline batteries with long battery life
- E6 error 6: Operating Temperature: 15°C - 40°C (59°F - 104°F)

The UltramaxO2 Oxygen Analyzer is your trusted solution for accurate, reliable, and efficient oxygen measurement. Ensure safety and optimize performance in your

Copyright © 2026

industry with this cutting-edge analyzer.

Copyright © 2026

ultramax o2 oxygen analyzer

	General		
1	Model name	Ultramax O2 - 3-in-1 Ultrasonic Oxygen Gas Analyzer	
2	Model number	sensor_o2_analyzer_hq	
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
4	Ambient temperature minimum	15 °C	59 °F
5	Ambient temperature maximum	40 °C	104 °F
6	Relative humidity minimum	0 %	
7	Relative humidity maximum	95 %	
	Gas	**Metric**	**Imperial**
8	Minimum flow / minute	0.0 Liter	0.0 Gallon
9	Maximum flow / minute	10 Liter	2.6 Gallon
10	Minimum flow / hour	0.0 Liter	0.0 Gallon
11	Maximum flow / hour	600 Liter	159 Gallon
12	Pressure minimum	3.4 kPa	0 PSI
13	Pressure maximum	344 kPa	50 PSI
14	Gas quality		
15	Gas remark	oxygen only	
	Connections		
16	Water inlet		
17	Water outlet		
18	Gas inlet		

Copyright © 2026

	Dimensions & weight	Metric	Imperial
19	Dim. (w) x (d) x (h)	80.3 x 129.5 x 26.4 mm	3.2 x 5.1 x 1.0 inch
20	weight	181 Kg	399.0 lbs.
21	HS code	90.271.000	
	Remarks		
22	Other remarks	✓	

Copyright © 2026