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oxygen gas concentration sensor

The UltramaxO2 Oxygen Analyzer offers accurate, real-time oxygen measurement with advanced sensing technology, ideal for healthcare, industrial, and environmental applications.

oxygen gas concentration sensor

measure accurately oxygen gas concentration levels

- ✓ 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

The UltramaxO2 Oxygen Analyzer is a high-performance device designed to accurately measure oxygen levels in a wide range of applications. Engineered for precision and reliability, it offers exceptional performance in industries such as 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 optimal monitoring of oxygen concentrations in real-time.
- **Wide Measurement Range:** This analyzer is capable of measuring oxygen levels from low to high concentrations, making it suitable for various applications, from industrial processes to medical settings.
- **User-Friendly Interface:** Featuring an intuitive display and easy-to-navigate controls, the UltramaxO2 ensures 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 immediate results, allowing for quick decision-making in critical situations.
- **Versatile Calibration Options:** The UltramaxO2 offers flexible calibration options, ensuring precise and reliable measurements for a variety of applications and environments.
- **Compact and Portable:** Its compact, lightweight design makes the UltramaxO2 easy to transport and use in both fixed and portable setups.

benefits

- **Time-Saving:** Quick set-up 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: For monitoring oxygen levels in medical 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:** $\pm 1.5\%$ of full scale at constant temperature and optimal flow
- **Flow Measurement Accuracy:** ± 0.2 LPM
- **Pressure Measurement Accuracy:** $\pm 0.5\%$ PSI ($\pm 0.5\%$ kPa)
- **Power:** 2 AA Alkaline batteries with long battery life
- **E6 error 6: Operating Temperature:** $15^{\circ}\text{C} - 40^{\circ}\text{C}$ ($59^{\circ}\text{F} - 104^{\circ}\text{F}$)

The UltramaxO2 Oxygen Analyzer is your trusted solution for accurate, reliable, and efficient oxygen measurement. Ensure safety and optimize performance in your industry with this cutting-edge analyzer.

ultramax o2 oxygen analyzer

	Description	Metric	Imperial
1	Model name	Ultramax O2 oxygen analyzer	Ultramax O2 oxygen analyzer
2	Model number	Ultramax O2	Ultramax O2
	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 %	0 %
7	Relative humidity maximum	95 %	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	oxygen only
	Connections	Metric	Imperial
16	Water inlet		
17	Water outlet		
18	Gas inlet		

	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.
Remarks			
21	Other remarks		