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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.

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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

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 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: $\pm 1.5\%$ 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

General

- 1 Model name Ultramax O2 - 3-in-1 Ultrasonic Oxygen Gas Analyzer
2 Model number 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 %
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

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

