



SERRAX TECHNOLOGIES

An ISO 9001 : 2015 Certified Company

PRODUCT CATALOGUE



**A Leading
Manufacturer
and Supplier
of Air Quality
Monitoring, Gas
Monitoring,
and Industrial
Process
Measurement
Instruments.**

CO₂ Analyzer CDA802



SPECIFICATION

Measuring Principle	O ₂ (EC) CO ₂ (NDIR) TEMP (RTD)
Range	O ₂ : 25%, 100%. CO ₂ : 20%,100% TEMP : 0- 50°C
Resolution	0.1%
Accuracy	1% FS
Response Time	T90<40sec
Flow Rate	100 CC/Min
Display	Graphic LCD
Memory	4GB.In-built,non-volatile, sufficient for several months
Logging Interval	1 min- 1hr (Programmable)
Calibration	In-house gas dilutionfacility to perform multi- point calibration (Typically required once a year)
Battery	Rechargeable (Lasts for 8 hours)
Model	CDA802: [co ₂ Temp], CDA802ox: [CO ₂ ,O ₂ ,Temp].

The CO₂ Gas Analyzer (CDA 802) is a highly accurate and reliable device that measures the concentration of carbon dioxide in a gas sample. This analyzer has a CO₂ range of 20%,100%, allowing it to be used in a wide range is necessary. With a flow rate of 100 cc/minute, it can quickly and efficiently analyze gas samples. The CO₂ gas analyzer features an inbuilt LCD display, providing real-time data and readings of CO₂ concentration levels. This display is easy to read and provides clear information on the gas being analyzed. This feature makes it a highly useful device for applications where real-time monitoring of CO₂ levels is critical. The analyzer is designed to be highly accurate and reliable, ensuring that you can trust the data it provides. It is also easy to use, with a user-friendly interface that makes it simple to operate. The compact and durable design of this analyzer makes it highly portable and ideal for use in a range of settings including Incubator testing, laboratories, green- house assessment, warehouse monitoring,

gas cylinder testing, manufacturing facilities, research centers, etc. Our CO₂ gas analyzer is an excellent device for anyone seeking accurate and reliable CO₂ monitoring. With its high accuracy, easy-to-use interface, and built-in LCD, it is a valuable tool for a wide range of applications.

Accessories

Included accessories necessary for charging the battery, transferring data to external devices, operating the analyzer, and software for data analysis.



Charger, data transfer cable, software, manual

Benefits

- **Environmental Monitoring:** CO₂ analyzers play a crucial role in monitoring and assessing atmospheric CO₂ levels, aiding in climate research, and understanding global carbon cycles. By tracking CO₂ concentrations, scientists can identify trends, assess the impact of human activities on the environment, and formulate effective mitigation strategies to combat climate change.
- **Industrial Process Optimization:** In industrial settings, CO₂ analyzers help optimize various processes by monitoring and controlling CO₂ levels. Industries such as food and beverage, pharmaceuticals, and greenhouse cultivation rely on accurate CO₂ measurements to ensure product quality, improve efficiency, and comply with regulatory standards.
- **Emissions Control:** CO₂ analyzers are essential for monitoring and managing emissions in various sectors, including power plants, manufacturing facilities, and transportation. By accurately measuring CO₂ emissions, industries can implement measures to reduce their carbon footprint, comply with emissions regulations, and contribute to environmental sustainability efforts.
- **Indoor Air Quality Management:** In indoor environments such as offices, schools, and commercial buildings, CO₂ analyzers are used to monitor indoor air quality and ensure occupant comfort and health. High CO₂ levels can indicate poor ventilation, leading to discomfort, fatigue, and potential health risks. By monitoring CO₂ concentrations, building managers can implement ventilation strategies to improve indoor air quality and enhance occupant well-being.
- **Research and Development:** CO₂ analyzers are valuable tools for researchers and scientists working in various fields, including environmental science, climate research, agriculture, and biotechnology. These instruments enable precise measurement and analysis of CO₂ concentrations, facilitating scientific investigations, experimental studies, and the development of innovative solutions to environmental and societal challenges.

Our Customers







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