


# AL 5005

## ULTRAFAST CO MONITOR
## FOR AIR SAMPLES IN PPB RANGE

# AL5005 CO ANALYZER

## PRECISION AT SPEED

In today‘s world, where environmental health and safety are of utmost importance, the AL5005 stands out as an innovative and reliable carbon monoxide (CO) monitoring solution. Designed to meet the rigorous demands of climate reasearchers, this ultra-fast carbon monoxide analyzer redefines the standards for precision, speed, and reliability in air quality assessment.




### Redefining air quality monitoring across applications

The AL5005 has a wide range of applications in environmental and climate research, where accurate and timely CO measurements can unveil insights into pollution sources, atmospheric processes and climate dynamics. Its ultra-fast response time makes it particularly suitable for airborne measurements, capturing rapid changes in CO levels that are essential for high-resolution environmental assessments.

In remote research settings, such as Antarctica, the AL5005‘s robustness and standalone operation come to the fore, offering reliable performance in some of the planet‘s most challenging conditions. Its utility extends to research ships, where it plays a vital role in monitoring air quality and tracing CO emissions across the oceans.

### Crafted for precision - defined by accuracy

At the heart of the AL5005‘s design is its unmatched ability to deliver high-precision measurements of carbon monoxide, a significant tracer of atmospheric pollution. The analyzer‘s capability for very fast, continuous, and real-time measurements ensures that no fluctuation in CO levels goes undetected, providing a comprehensive picture of air quality in any given environment.

Fast calibration and long-term stability are among the AL5005‘s standout features, ensuring that the device maintains its accuracy and reliability over extended periods. Its robustness and ability to operate independently make it an ideal tool for a wide range of applications, from laboratory analysis to field deployments.



## Delivering excellence, simplifying success

The AL5005 is not just an instrument, it is a reference tool for the highest standards of CO measurement! It is designed to exceed your expectations and provide you with the most accurate and reliable results. Its user-friendly interface and operational simplicity make it accessible to a broad audience, enabling accurate air quality assessments without the need for extensive technical training.

For research institutions and environmental organizations, the AL5005 offers an unparalleled tool for advancing our understanding of environmental health and informing policy decisions. Its precision and speed enable a new level of detail in air quality monitoring, contributing to more effective environmental management and protection strategies.



## Advancing frontiers in atmospheric research

The AL5005 ultra-fast carbon monoxide analyzer represents a significant leap forward in air quality monitoring technology. With its blend of high precision, rapid measurement capabilities and user-friendly design, it sets a new benchmark for CO analysis in diverse research and environmental contexts.

As we navigate the complexities of environmental health and strive for a cleaner, safer planet, the AL5005 emerges as an essential ally. It's not just about detecting CO; it's about equipping change-makers with the data and tools they need to make informed decisions and drive positive environmental outcomes.

Select the AL5005: Fast, precise, and ready to elevate air quality monitoring to new horizons.

## Specifications

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| Detection technique: | Continuous, using VUV fluorescence |
| Detection limit: | <1ppb |
| Linear range: | 1ppb to 100ppm |
| Noise: | 2% full scale |
| Time resolution: | 0.1sec |
| Sample gas pressure: | <200mbar - 1200mbar |
| | equal to altitudes up to 12000m for airborne application |
| Calibration: | Automatic, using gas standard |
| Integration: | RS232 and LAN interface, data logging software available |
| Operation data visualization: | Graphic user interface (7" touch panel) and remote via RS232/ LAN |
| Data storage: | USB drive and internal data backup |
| Weight and dimension: | 22kg, fit for 19" rack (whd: 45cm × 23cm × 56cm) |

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