

Compact Carbon Monoxide Monitor



- Unattended operation
- Real time monitoring
- On-board data logging
- User-programmable logging interval
- Rechargeable battery powered
- Compact IP66 enclosure

ICOM is a compact, unobtrusive carbon monoxide monitor designed for unattended logging of carbon monoxide (CO) and temperature measurements for periods of up to one month.

Based on technology used in the field-proven Streetbox range, *ICOM* measures carbon monoxide using an electrochemical sensing technique to provide an effective solution for longer term monitoring projects.

ICOM is powered by a sealed, rechargeable battery, which allows for up to 35 days of continuous, uninterrupted use. At the end of the desired logging period, the data can be downloaded from the on-board memory to a PC. Once downloaded, the data is stored in standard ASCII text format and may be displayed and printed using standard spreadsheet applications. Communication for data download and *ICOM* configuration is carried out using the combined RS232/charging lead along with any proprietary terminal program. The *ICOM* logger provides a menu driven user interface for :-

- data download
- user configuration of logging interval
- scheduled logging start/stop time
- entry of calibration offsets
- current data display
- clock setting
- logger status

The *ICOM*'s robust IP66 rated ABS enclosure includes hinged covers that hide the on/off switch, status LED and data/charge connector. A range of accessories and spares are available including data/charge cable, charger and pillar mounting plate. Signal also offer a full range of support and calibration services.

ICOM is ideally suited for air quality surveys, health and safety studies and any application where unattended logging of carbon monoxide measurement over extended periods is required.

Technical Specification

Dimensions	90 mm x 120 mm x 50 mm
Weight	500 g
Enclosure rating	IP66
Logging intervals	1, 5, 15 & 30 minutes 1, 6, 12, 24 hours
Logger capacity	32,700 records
Battery Life	Approximately 35 days
Sensor life	2 years
Sensor range	0-500 ppm
Resolution	0.1 ppm
Maximum zero shift	0.25 ppm (-10°C to +40°C)
Temperature range	-20°C to +50°C
Pressure range	Atmospheric ±10%
RH range	15 to 90% non-condensing
Span drift	< 10% of signal loss per year in air
Repeatability	1% of signal