



Your data, anytime, anywhere

The Path to Better Indoor Air Quality

In the UK, there is a legal requirement that states employers must ensure every enclosed room is ventilated by an adequate supply of fresh or purified air. Ventilation is particularly important in settings such as schools where lots of people gather and a range of activities such as singing, exercise and other aerosol-generating activities take place. To ensure that rooms are consistently well ventilated and these rules are being followed, the Health and Safety regulations 2010 state that CO₂ monitors should be installed in occupied rooms where people are gathered and CO₂ levels regularly recorded.

High CO₂ levels can cause a variety of health problems including respiratory ailments, headaches, dizziness and fatigue. Extensive research also proves that prolonged exposure to concentrated levels of CO₂ is detrimental to children's ability to perform optimally whilst in school. Therefore, the importance of ensuring CO₂ levels remain at healthy levels is paramount.



EL-IOT-CO2

- Measures CO₂, temperature and humidity
- Automatically uploads data to the EasyLog Cloud
- Display shows current, maximum and minimum readings
- Status indicators and sounder
- Set up instant alarms and notifications
- Readings are recorded even if the WiFi signal is lost
- CO₂ sensor automatically self-calibrates
- Comes with a USB power supply

EL-IOT-CO2

The EL-IOT-CO2 is the ideal device for schools as its Cloud connectivity means that all air quality readings are automatically uploaded to the user's Cloud account. Multiple devices can be linked to one account so readings from devices all over the school can be read in one place.

Alarms can be set up on the device meaning as soon as the CO₂ levels breach the recommended amount, users will be alerted through the device's warning

light and audible sounder. SMS and email alerts can be set up to specified users so appropriate action can be taken immediately.

The device's display shows current, maximum and minimum readings for carbon dioxide, temperature and humidity, as well as alarm and device status to keep staff informed of the current levels.

CO₂ Calibration

To maintain the accuracy of your EL-IOT-CO₂, there are two calibration features on the device. Automatic self-calibration ensures long-term stability without the need for any manual action from the user. This method of calibration assumes that the sensor is exposed to atmospheric CO₂ concentrations of 400ppm at least once per week.

Manual recalibration can be carried out to restore the accuracy of the CO₂ reading immediately; expose the device to fresh air by placing it outside or next to an open window. If your EL-IOT-CO₂ ever needs you to carry out a manual calibration, it will prompt you to do so.



Schools

Thanks to its Cloud connectivity the EL-IOT-CO₂ is ideal for busy educational settings. Critical events are notified to specific users in seconds via an alarm system that's easily tailored to your exact requirements.

Data is accessible 24/7 and powerful online tools make it simpler than ever to view, compare and analyse readings. An audit trail is automatically created that includes both system and data events. Android and iOS apps enable you to monitor and manage your wireless sensors on the go.



No matter what you need we have the data logging solution for you. Our wide range of data loggers can all be viewed on our website.

To order your loggers call us on **01794 884 567** or visit **lascarelectronics.com**. Please also call us for technical help or to learn more about our other products.

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