

Rollout of CO₂ monitors to schools

Lennox Laboratory Supplies Ltd. updated schools this morning on the position on the rollout of CO₂ monitors to schools.

While all schools will have either their full or partial allocations of CO₂ monitors by this Friday (17 September) from the 25,000 monitors delivered by that date, the Department was disappointed at the news that there would be a delay with the delivery of the last batch of 10,000 CO₂ monitors.

The update from Lennox Laboratory Supplies Ltd. sets out the issues that gave rise to the delay and the steps being taken to get the remainder of the allocations of CO₂ monitors to schools as quickly as possible.

Lennox Laboratory Supplies Ltd. has identified options that should enable the remaining balance of CO₂ monitors to be distributed to schools in late September/early October.

In the interim, the Department's specification for CO₂ monitors set out below can be used by any school that wishes to make its own arrangements for procuring the balance of its CO₂ monitors directly itself rather than via the current arrangements. Schools may share these specifications with suppliers for guidance. If a school wishes to proceed in this manner they should notify Lennox Laboratory Supplies Ltd. at CO2@lennox.ie by Friday 24 September 2021. The cost incurred by a school in procuring the shortfall in CO₂ monitors can be recouped from the Department. The Department will make contact directly with relevant schools that have procured the balance of CO₂ monitors themselves and notified Lennox Laboratory Supplies Ltd. to arrange payment of same later in 2021. The table below sets out the total number of monitors for each school and any payments to schools in respect of monitors procured directly will be based on the thresholds set out in the table (adjusted for any monitors provided by Lennox Laboratory Supplies Ltd.).

Performance output specification for Portable CO₂ Monitors

Units must be;

- In a self-contained enclosure and include a CO₂ sensor with a LED display and all associated electronics
- supplied with power via a USB cable from either a laptop/ computer or mains power complete with an adaptor plug.
- capable of mounting in a free standing manner on a flat surface such as a desk
- CE Mark approved and comply with all relevant EU Directives and EU, Irish and BS Standards
- maintenance free and supplied with operating and set up instructions
- in housing constructed with flame retardant material, suitable for operating condition temperature range of 0 - 40°C and humidity range 0 - 95% and suitable for use in a school environment

- fitted with a **Non-Dispersive Infra-Red (NDIR) CO₂ sensor**, this sensor shall have:
 - CO₂ minimum range 400 - 2,000 ppm
 - CO₂ accuracy ± 50 ppm $\pm 3\%$
 - CO₂ display resolution 1ppm
 - CO₂ expected sensor life of 10 years
 - automatic baseline calibration (ABC), such that the CO₂ sensor is self-calibrating over its lifetime
 - fitted with a LED display capable of; changing between a minimum of 3 colours to coincide with determined CO₂ levels, providing easy visual indication as well as specific readings in ppm via a suitably sized display screen

The provision of temperature and humidity display readings on the units is also acceptable.

Overall number of monitors per school:

Primary Schools (Classrooms)	Monitors per School
1 classroom	2
2 to 4 classrooms	3
5 to 8	5
9 to 12	7
13 to 16	9
17 to 20	11
21 to 24	13
25 to 30	17
31+	20

Special Schools	Monitors per School
Special Schools	10

Post Primary Schools (Free Scheme) enrolment bands	Monitors per School
<500	20
501 to 750	25
751 to 1000	30
1000+	35