CO secure

Safe for your crop, security for you



The Sercom CO secure (CO meter) is a product which has acquired an excellent reputation within the (inter)national horticulture. In 2021 this system has been reinvestigated and we thought it was time to implement some significant improvements.

Both the software and the hardware have been adjusted in such a level that one can actually consider these updates as an entirely new design. The basic function of the CO meter remains of course, to monitor the measured toxic gas concentration. For this, it uses three context-sensitive keys for easy operation.

An important extension of the functionality concerns the integration of a sample gas flow protection. For this purpose, a gas temperature sensor has been mounted on the detector. Because of this, the measured gas temperature will also be registered through the standard 4-20mA cabling on the meter. This serves as the basis of the integrated flow alarm.

In brief:

- CO and NO measurement
- Easy operation
- Backlit graphic color display
- Alarm recording memory and memory saved in case of power failure
- Service indication
- Long sensor life



The burner can now be activately monitored by a digital input. This way, no gas flow alarm can be triggered during the periods when the burner is inactive. In addition to the integrated gas flow control, there is also the possibility to adjust the gas flow detection with an external sensor. For this, both analogue and digital flow or pressure sensors are used.

Despite these functional enhancements, the dimensions and connections of the meter remain completely identical to that of the previous generation. Any replacement is therefore very easy to execute. This new version is equipped with a colour display and a full-colour front plate. This makes it easy to make distinctions.

Also new here is a key that can be used to open the graphs screen or the system pages. Both the measured concentration (CO or NO) and the gas temperature can be monitored on a linear or semi-logarithmic basis. This can be done over a time period of up to 8 days.

Technical data

- Power voltage: nominal 24V AC/DC (20-48V DC)
- Analogue inputs: 2x 4-20mA
- Digital inputs: 2x 24V AC/DC
- Analogue outputs: 2x 0-20mA/4-20mA
- Relay output: 24V DC/50mA max
- Relay contact: SPDT 5A/30VDC







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