



## Ethylene Detector

## ICA 515E

The ICA515E Ethylene detector uses a well proven solid electrochemical cell to detect ethylene in the 0-50ppm range.

This sensor is designed to be used in fruit and vegetable storage and de-greening facilities.

The sensor is not suitable for continuous exposure to ethylene levels above 15 ppm

Where ethylene addition is needed the ICA515E, with a suitable controller can automate the gas injection or generator for more economic operation.

When ethylene removal is required this sensor can be used to check and control scrubber operation.

A Lithium battery maintains sensor bias providing stable operation independent of power. An output and LED indicates when battery and sensor requires replacement.

Some cross sensitivity to CO can prevent satisfactory operation in areas where fossil fuelled vehicles are used.

An adjustment for zero is provided. Care is needed as ambient air often has some ethylene and other contaminants present.



- De-greening Room control
- Ethylene removal control
- 0-50 ppm Ethylene
- 0.2 ppm sensitivity
- Solid electrochemical cell
- Stable zero in HC free air
- Rugged polycarbonate housing
- 4-20mA signal
- 24v operation

**Specifications :** Range 0 -50 ppm, Resolution : 0.2 ppm,  
Temperature range :-10 to 40°C,  
Typical cell life 1 to 1.5 years, Battery OK signal 10mA .  
Dimensions : 120 x 120 x 60 mm. Power supply: 10 to 30v DC  
30mA, Output 4-20 mA into 400R (12v),  
Cross sensitivities: CO, 40%, Ethanol, 72%, CO<sub>2</sub>, 0%, H<sub>2</sub>,  
0%, NH<sub>3</sub>, 0%, H<sub>2</sub>S, 220%, MEK, 3%

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