E-CO2-LC
Carbon Dioxide Sensor

E-CO2-LC

E-CO2-LC sensor adopts a new type of infrared verification technology for CO_2 concentration measurement, and the response is rapid and sensitive. This carbon dioxide sensor includes an ABS waterproof shell. It is a professional industrial CO_2 sensor and supports 0-5VDC output. This is a wall-mounted CO_2 sensor that can be used in greenhouses, industrial waste gas monitoring, farming monitoring, etc.

Features:

- New infrared calibration technology for CO_2 concentration measurement, with high accuracy, low drift and long life
- Wide measuring range (0-5000ppm) with built-in temperature compensation to protect against influence by environmental temperatures
- 0-5VDC analog signal output
- The product includes a wall-mounted waterproof shell which is easy to install and has a high level of protection

Specifications:

Parameter	Value
Supply power	10 to 30VDC
Power consumption	0.3W (24VDC)
Average current	<85mA
Signal output	0-5VDC
Protection level	IP65
Working environment	-10 to 50°C, 0 to 80%RH (non-condensing)
Temperature effects	Includes temperature compensation
CO^2 range	0-5000ppm
CO^2 accuracy	0-5000ppm $\pm$(50ppm+ 3%F-S)@(25°C,400-5000ppm)
Stability	<2%F-S
Non-linearity	<1%F-S
Response time	90% step change is generally less than 90S
Data update time	2s
System warm up time	2 minutes(if available), 10 minutes for maximum accuracy

Note: This sensor will provide indication of the presence of carbon dioxide to an ENVIROMUX Enterprise Environment Monitoring System (E-16D/-5D/-2D, E-MICRO-TRH(P), E-MINI-LXO) when connected through an E-S5VDC converter.