

# CO<sub>2</sub> SENSORS OVERVIEW



<b>Type:</b>	<b>C3 Infrared CO<sub>2</sub> sensor</b>
<b>Application:</b>	General CO <sub>2</sub> monitoring
<b>Principle:</b>	Double beam infrared absorption
<b>Ranges:</b>	Various: 0-3000ppm to 0-10% Volume
<b>Response time:</b>	30 sec (t <sub>90</sub> )
<b>Signal output:</b>	4-20 mA or 0.1-10 V
<b>Dimensions:</b>	74 x 55 x 30 mm (L x W x H)
<b>Part Numbers:</b>	2112B7000 or 2112B7050



<b>Type:</b>	<b>Infrared CO<sub>2</sub> monitor</b>
<b>Application:</b>	Indoor air quality monitoring
<b>Principle:</b>	Double beam infrared absorption
<b>Range:</b>	0-3000ppm CO <sub>2</sub>
<b>Response time:</b>	30 sec (t <sub>90</sub> )
<b>Signal output:</b>	4-20 mA or 0.1-10 V
<b>Dimensions:</b>	78 x 78 x 35 mm (L x W x H)
<b>Part Number:</b>	2112B8000



<b>Type:</b>	<b>Infrared CO<sub>2</sub> monitor with traffic light</b>
<b>Application:</b>	Indoor air quality monitoring
<b>Principle:</b>	Double beam infrared absorption
<b>Range:</b>	0-3000ppm CO <sub>2</sub>
<b>Response time:</b>	30 sec (t <sub>90</sub> )
<b>Dimensions:</b>	78 x 78 x 35 mm (L x W x H)
<b>Part Numbers:</b>	2112B8000-TLM or -TLR



<b>Type:</b>	<b>Infrared CO<sub>2</sub> gas measuring system</b>
<b>Application:</b>	<b>CO<sub>2</sub> monitoring (heavy duty)</b>
<b>Principle:</b>	Double beam infrared absorption
<b>Ranges:</b>	Various: 0-3000ppm to 0-10% Volume
<b>Response time:</b>	30 sec (t <sub>90</sub> )
<b>Signal output:</b>	4-20 mA or 0.1-10 V
<b>Dimensions:</b>	90 x 85 x 65 mm (L x W x H)
<b>Part Numbers:</b>	2112B9000 or 2112B9050 or 2112B9055



# INFRARED CO<sub>2</sub> MONITOR FOR INDOOR AIR QUALITY MONITORING



**CO<sub>2</sub> indoor air  
quality monitor**  
Part no. 2112B8000

## CO<sub>2</sub> INDOOR AIR QUALITY MONITOR - SPECIFICATION -

<b>Principle:</b>	Two beam infrared
<b>Range:</b>	0 – 3000 ppm CO <sub>2</sub>
<b>Accuracy:</b>	+/- 2% fsd
<b>Reproducibility:</b>	+/- 1% fsd
<b>Response time:</b>	appr. 30 sec
<b>Gas entry:</b>	by diffusion
<b>Operating voltage:</b>	24 V d.c. +/- 5%
<b>Output signal:</b>	4 – 20 mA or 0.1 – 10 V
<b>Operating temperature:</b>	-10°C up to +50°C
<b>Operating pressure:</b>	900 – 1100 hPa
<b>Operating humidity:</b>	15 – 95% rel.
<b>Dimensions:</b>	78 x 78 x 35 mm (L x W x H)
<b>Part No:</b>	2112B8000

