



The **armstrong**  
MONITORING CORPORATION

## AMC AIRSENSE 310 CARBON DIOXIDE SENSOR



**Detectable gas:** Carbon dioxide  
**Sensor type:** NDIR (non-dispersive infrared)  
**Output signal:** 4-20 mA (400 ohms) or 1-10 VDC  
**Range:** 0-2000 PPM  
**Power supply:** 18-28 VAC  
**Accuracy:**  $\pm 5\%$  of reading  
**Repeatability:**  $\pm 20$  PPM  
**Operating temperature:** 0°C to 40°C  
**Operating humidity:** 5-90% RH, non-condensing  
**Storage temperature:** -30°C to 60°C  
**Recommended calibration interval:** Five years  
**Dimensions and weight:** 13.21cm W x 8.13cm H x 3.6cm D  
(5.2" W x 3.2" H x 1.4" D) .35 kg  
**Sensor life expectancy:** Ten years typical  
**Sensor element warranty:** Two years

Carbon dioxide concentrations are a direct function of a number of factors. The number of people occupying a space, combustion by-products from furnaces, fireplaces and indoor household appliances, can contribute to lower indoor air quality.

Increased levels of CO<sub>2</sub> can also contribute to "Sick Building Syndrome" and symptoms such as hyperventilation, headache, dizziness, shortness of breath and drowsiness.

The AMC Airsense measures carbon dioxide (CO<sub>2</sub>) concentrations in the PPM (parts per million) range making it ideal for applications ranging from conference rooms to theatres. This easy to install system is complete with a 4-20 mA current loop output, concentration readout and alarm relay contact. Low power consumption and single gas verification allow for easy field calibration.

### NDIR (non-dispersive infrared) sensing technology

Long life span and poison-proof sensor technology assure quick and reliable CO<sub>2</sub> response.



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**For more information:**

**Authorized Distributor**

**Warranty:** All Armstrong equipment is warranted against defects in materials and workmanship for two years from date of delivery, except sensors. Please contact factory for sensor warranty. During the warranty period, we will repair or replace components that prove, in our opinion, to be defective. We are not liable for auxiliary interfaced equipment, or consequential damage. All warranty items must be returned by prepaid freight.

**Note:** Due to ongoing product development, the manufacturer reserves the right to change specifications without prior notice. The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data.