

# Airsense CO<sub>2</sub>

EAS7-CO2

The EAS7-CO2 Airsense CO<sub>2</sub> sensor is designed to measure air quality. It monitors relative humidity, temperature and concentration of carbon dioxide (CO<sub>2</sub>). Sensor is battery-powered and transmits the measured data wirelessly via the gateway to the cloud.



## Technical data

<b>Measured data</b>	relative humidity [%], temperature [°C], CO2 [ppm]
<b>Physical dimensions</b>	130 × 80 × 30 mm
<b>Weight</b>	190 g (including batteries)
<b>Material</b>	ABS plastic, aluminium
<b>Protection</b>	IP40
<b>Working conditions</b>	from -20 °C to + 60 °C, < 80 % RH (non-condensing)
<b>Required accessories</b>	gateway EWG6-C, holder
<b>Optional accessories</b>	corner holder
<b>Power supply</b>	3× exchangeable AA alkaline battery 1,5V
<b>Battery life</b>	> 2 years (max. 5 years)
<b>Connectivity</b>	433MHz Radio (Chirp protocol)
<b>Radio range</b>	< 100 m (depending on the local conditions)
<b>Transmitting power</b>	< 10 mW
<b>Transmission time</b>	< 5 ms
<b>Transmission period</b>	60 s
<b>Resolution of metering</b>	CO2: 1 ppm, temperature: 0,1 °C, humidity: 1 % RH
<b>Accuracy of metering</b>	CO2 ±50 ppm ±3 %, temperature: ±0,5 °C, humidity: ± 4 % RH
<b>Range of metering</b>	CO2: up to 5000 ppm, temperature: 5 to 50 °C, humidity: 0 to 80 % RH
<b>Activation</b>	by placing on designated holder