

# GMW115 Carbon Dioxide Transmitter for Demand-controlled Ventilation



## Features/Benefits

- Compact wall-mounted transmitter for demand-controlled ventilation
- Incorporates Vaisala CARBOCAP®, the silicon based NDIR sensor with unique internal referencing
- Advanced single-beam dual wavelength measurement with no moving parts
- Excellent long-term stability
- Ideal for ventilation control in all types of occupied spaces

The Vaisala CARBOCAP® Carbon Dioxide Transmitter is a wall-mounted CO<sub>2</sub> transmitter for demand-controlled ventilation.

## Performance

CO <sub>2</sub> measurement range	0 ... 2000 ppm
Accuracy (including repeatability, non-linearity and calibration uncertainty)	±(50 ppm CO <sub>2</sub> + 3 % of reading)
Long-term stability	±100 ppm CO <sub>2</sub> /5 years
Response time (T <sub>90</sub> )	1 min
Temperature dependence, typical	-0.35 % of reading/°C
Pressure dependence, typical	+0.15 % of reading/hPa
Warm-up time	1 min, 10 min for full specification
Product lifetime	> 10 years

## Operating environment

Temperature	-5 ... +45 °C
Humidity	0 ... 85 % RH
Pressure	700 ... 1200 hPa
Electromagnetic compatibility	Complies with EMC standard EN61326-1:1997 + Am1:1998, Generic Environment

## Inputs and outputs

Operating voltage	24 V (±20 %) AC/DC
Power consumption	<2 W
Outputs	4 ... 20 mA, 0 ... 10 V RS-485, 2-wire, non-isolated

## Dimensions

Dimensions in mm

