GMW116 product presentation

VAISALA

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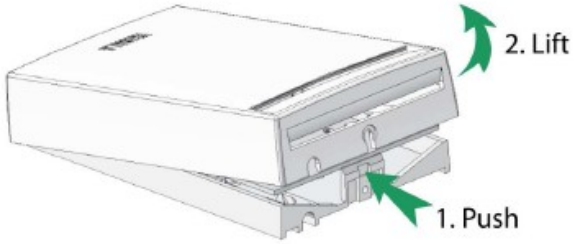
GMW116 main features

Features:

- Two 0 ...10 V analog outputs: CO2 and T
- Measurement ranges:
  - CO_2: 0...2000 ppm
  - T: 0...+50˚ C
- Accuracy:
  - CO_2: ±(2% of range + 2% of reading)
  - T: ±0.7˚ C at 25˚ C
  - Long-term stability (CO2): ±5% of range/5 years
- Housing:
  - ABS material, UL-V0 fire rating
  - IP30
  - Color RAL9003 "signal white"
- Supply voltage: 24V (±20%) AC/DC
- Easy installation with snap-on lid: Wiring is done on base, electronics installed afterwards
- 2 year warranty



GMW 116: Order form

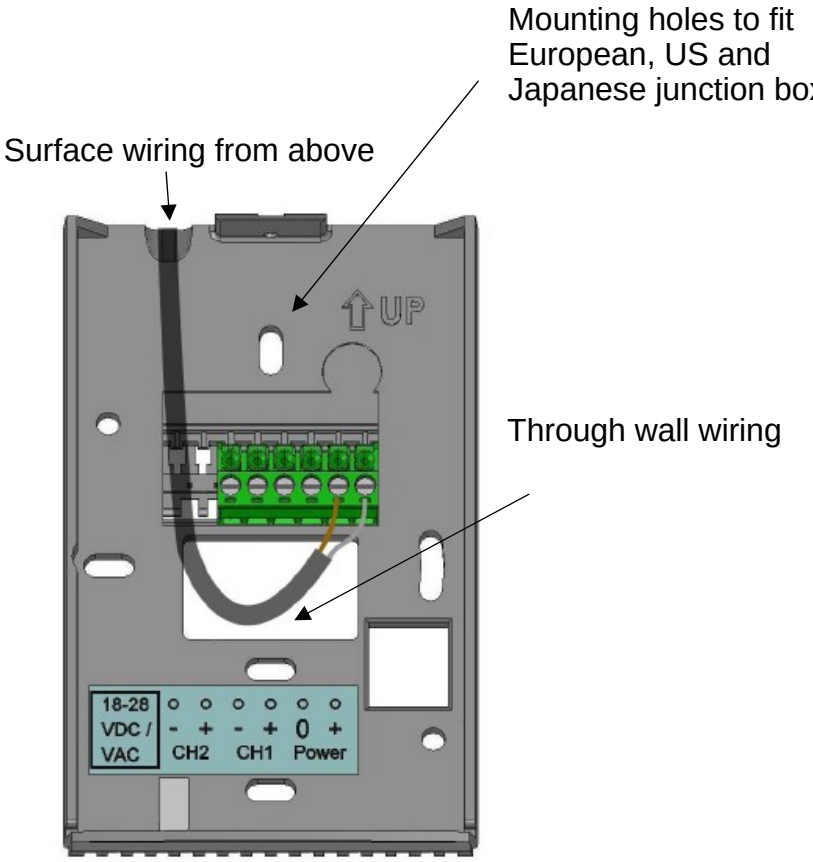
			1	2	3	4	5	
Vaisala Carbocap® CO2 and T transmitter		**GMW116**	**C**	**1**	**V**	**0**		PRICE
1 **CO2 range**	**0 ... 2000 ppm**		**C**					
2 **Temperature output range**	**0°C ...+50°C**			**1**				
4 **Accessories**	**None**					**0**		
5 **Quick reference guide**	**None**						**0**	
	English						**E**	
							TOTAL	
							QTY	
							TOTAL VALUE	

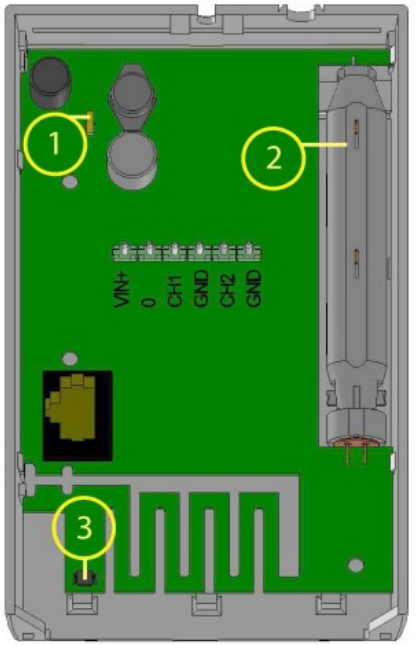
Selections in bold are included in the prices of the basic versions.
Selections in italic are available at an extra price.

Example of order code with typical settings:

GMW116	**C**	**1**	**V**	**0**	**E**

Inside view





1. Diagnostic LED:
   - continuous green light =OK
   - Flashing light =error
   - Visible through fromt ventialtion hole
2. CO2 sensor
3. Temperature sensor

Product comparison

Product	Display	Relay	Analog Outputs	Digital outputs	IP class	measurement ranges	Temperature measurement	Calibration certificate	Field adjustment	Exchangeable probe	Operating range
GMT220	optional	2	0...10V,0/4...20mA	-	IP65	2000 ppm up to 20%	-	+	With GM70	+	-20 ... +60°C
GMW21&22	optional	1 optional	0...10V,0/4...20mA	LonWorks opt.	IP30	2000 ppm up to 2%	opt. in GMW21	-	with PC	-	-5 ... +45°C
GMW116	-	-	0...10V	-	IP30	2000 ppm	+	-	-	-	0 ... +50°C
GMW115	-	-	0...10V, 4...20mA	RS485	IP30	2000 or 5000 ppm	-	-	-	-	-5 ... +45°C

Advantages of the GMW116 and CARBOCAP® technology

- Works perfectly also in spaces with round-the-clock occupancy.
- Excellent long term stability for best savings through demand controlled ventillation
- Internal compensation of ideal gas thermal expansion for correct PPM values over the temperature range

Proven track record: Stability test results for GMW115

- Stability graphs showing measurment of background concentration with 4 GMW115:s
- Total time 3.6 years
- Discontinuitu due to relocation of test site
- Drift rates of the devices correspond to : -10, -66, -34 and -72 ppm/ 5 years
- Red square illustrates ±100 ppm/5 years drift specification