

## GMW90R CO<sub>2</sub>, Humidity and Temperature Transmitter - BACnet/Modbus

Vaisala Carbocap® CO <sub>2</sub> , Humidity and Temperature Transmitter		1 2 3 4 5 6 7 8 9 10 11 12																			
6	Display and colour	Standard White (RAL9003, solid cover)	Standard White (RAL9003, display cover)	Black (RAL9005, solid cover)	Black (RAL9005, display cover)	No logo, standard White (RAL9003, solid cover)	No logo, standard White (RAL9003, display cover)	Indicator cover (RAL9003, display and CO <sub>2</sub> indicators)	0	1	2	3	8	9	A	Price					
7	Units	Metric	Non metric						A	B											
8	Display configuration	Default (T, RH, CO <sub>2</sub> )	T, h, CO <sub>2</sub>	T, Td, CO <sub>2</sub>	T, A, CO <sub>2</sub>	T, Tw, CO <sub>2</sub>	T, dTd, CO <sub>2</sub>	T, X, CO <sub>2</sub>	Entalphy	Dewpoint	Absolute humidity	Wetbulb temperature	Dewpoint depression	Mixing ratio	A	H	K	S	W	Y	X
9	Elevation setting	Standard (sea level)	Custom	Define	m (ft)										0	X					
10	CO <sub>2</sub> indicator levels	None	Standard	Custom											0	1					
12	Quick reference guide	No manual	Multilingual for analog devices	Multilingual for digital devices											0	1	2				

Accessories:

- HTM10SP Humidity and temperature module
- GM10SP CO<sub>2</sub> measurement module
- 219980 Connection cable for HM70 hand-held meter
- 219690 USB cable for PC connection

Selections in **bold** are included in the prices of the basic versions  
Selections in *italic* are available at an extra cost

GMW90R5 0 A A A 1 A A 0 0 A 1

## GMW90R CO2, Humidity and Temperature Transmitter - Current output

Vaisala Carbocap® CO2, Humidity and Temperature Transmitter			GMW90R	4	1	2	3	4	5	6	7	8	9	10	11	12	A	Price
2	Output signal	4...20mA 0...20mA	3-wire 3-wire	4 5														
3	Analog output parameter for channel 1	RH Td x h, free scale Td, free scale CO2 CO2 CO2, free scale RH, free scale A, free scale T, free scale Tw, free scale dTd, free scale x, free scale	0...100 %RH -20 ... +55°C (-4 ... +131°F) 0 ... 100 g/kg (0 ... 700 gr/lb) Define Low High kJ/kg (Btu/lb) Define Low High °C (°F) 0...2000 ppm 0...5000 ppm Define Low High ppm Define Low High %RH Define Low High g/m³ (gr/ft³) Define Low High °C (°F) Define Low High °C (°F) Define Low High °C (°F) Define Low High g/kg (gr/lb)		B C D H K L M N R S T W Y X													
4	Output parameter for analog output 2	RH Td x T T h, free scale Td, free scale CO2, free scale RH, free scale A, free scale T, free scale Tw, free scale dTd, free scale x, free scale	0...100 %RH -20 ... +55°C (-4 ... +131°F) 0 ... 100 g/kg (0 ... 700 gr/lb) -5...+55 °C (+23...+131 °F) 0...+60 °C (+32...+140 °F) Define Low High kJ/kg (Btu/lb) Define Low High °C (°F) Define Low High ppm Define Low High %RH Define Low High g/m³ (gr/ft³) Define Low High °C (°F) Define Low High °C (°F) Define Low High °C (°F) Define Low High g/kg (gr/lb)		B C D E F H K N R S T W Y X													
5	Output parameter for analog output 3	RH Td x T T h, free scale Td, free scale RH, free scale CO2, free scale A, free scale T, free scale Tw, free scale dTd, free scale x, free scale	0...100 %RH -20 ... +55°C (-4 ... +131°F) 0 ... 100 g/kg (0 ... 700 gr/lb) -5...+55 °C (+23...+131 °F) 0...+60 °C (+32...+140 °F) Define Low High kJ/kg (Btu/lb) Define Low High °C (°F) Define Low High %RH Define Low High ppm Define Low High g/m³ (gr/ft³) Define Low High °C (°F) Define Low High °C (°F) Define Low High °C (°F) Define Low High g/kg (gr/lb)		B C D E F H K R N S T W Y X													
6	Display and colour	Standard White (RAL9003, solid cover) Standard White (RAL9003, display cover) <i>Black (RAL9005, solid cover)</i> <i>Black (RAL9005, display cover)</i> No logo, standard White (RAL9003, solid cover) No logo, standard White (RAL9003, display cover) <i>Indicator cover (RAL9003, display and CO2 indicators)</i>			0 1 2 3 8 9 A													
7	Units	Metric Non metric			A B													
8	Display configuration	Default (T, RH, CO2) T, h, CO2 T, Td, CO2 T, A, CO2 T, Tw, CO2 T, dTd, CO2 T, X, CO2	Entalphy Dewpoint Absolute humidity Wetbulb temperature Dewpoint depression Mixing ratio		A H K S W Y X													
9	Elevation setting	Standard (sea level) Custom	Define m (ft)		X													
10	CO2 indicator levels	None Standard Custom	(800,1200 ppm) Define Yellow Red ppm		0 1 X													
12	Quick reference guide	No manual Multilingual for analog devices			0 1													

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GMW90R 3 4 L B E 1 A A 0 0 A 1

## GMW90R CO2, Humidity and Temperature Transmitter - Voltage output

Vaisala CarboCap® CO2, Humidity and Temperature Transmitter			GMW90R	3													A	Price	
2	Output signal	0...10 V 0...5 V	3-wire 3-wire																
3	Analog output parameter for channel 1	RH	0...100 %RH																
		Td	-20 ... +55°C (-4 ... +131°F)																
		x	0 ... 100 g/kg (0 ... 700 gr/lb)																
		h, free scale	Define Low High kJ/kg (Btu/lb)																
		Td, free scale	Define Low High °C (°F)																
		CO2	0...2000 ppm																
		CO2	0...5000 ppm																
		CO2, free scale	Define Low High ppm																
		RH, free scale	Define Low High %RH																
		A, free scale	Define Low High g/m³ (gr/ft³)																
		T, free scale	Define Low High °C (°F)																
		Tw, free scale	Define Low High °C (°F)																
		dTd, free scale	Define Low High °C (°F)																
		x, free scale	Define Low High g/kg (gr/lb)																
4	Output parameter for analog output 2	RH	0...100 %RH																
		Td	-20 ... +55°C (-4 ... +131°F)																
		x	0 ... 100 g/kg (0 ... 700 gr/lb)																
		T	-5...+55 °C (+23...+131 °F)																
		T	0...+60 °C (+32...+140 °F)																
		h, free scale	Define Low High kJ/kg (Btu/lb)																
		Td, free scale	Define Low High °C (°F)																
		CO2, free scale	Define Low High ppm																
		RH, free scale	Define Low High %RH																
		A, free scale	Define Low High g/m³ (gr/ft³)																
		T, free scale	Define Low High °C (°F)																
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		Td	-20 ... +55°C (-4 ... +131°F)																
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		h, free scale	Define Low High kJ/kg (Btu/lb)																
		Td, free scale	Define Low High °C (°F)																
		RH, free scale	Define Low High %RH																
		CO2, free scale	Define Low High ppm																
		A, free scale	Define Low High g/m³ (gr/ft³)																
		T, free scale	Define Low High °C (°F)																
		Tw, free scale	Define Low High °C (°F)																
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		T, h, CO2	Entalphy																
		T, Td, CO2	Dewpoint																
		T, A, CO2	Absolute humidity																
		T, Tw, CO2	Wetbulb temperature																
		T, dTd, CO2	Dewpoint depression																
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