



## 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	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 E F G 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 G H K L 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 G 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> <i>No logo, standard White (RAL9003, solid cover)</i> <i>No logo, standard White (RAL9003, display cover)</i> <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)														
10	CO2 indicator levels	None Standard Custom	(800,1200 ppm) Define Yellow Red ppm		0 1 X												
11	Trimmers	With adjustment trimmers No adjustment trimmers			A B												
12	Quick reference guide	No manual <i>Multilingual for analog devices</i>															

Accessories:

- HTM10SP Humidity and temperature module
- GM10SP CO2 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

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	2	3	1	2	3	4	5	6	7	8	9	10	11	12	Price	
2	Output signal	0...10 V 0...5 V	3-wire 3-wire		2 3															
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)																	
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)																	
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)																	
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> <i>No logo, standard White (RAL9003, solid cover)</i> <i>No logo, standard White (RAL9003, display cover)</i> <i>Indicator cover (RAL9003, display and CO2 indicators)</i>																		
7	Units	Metric Non metric																		
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																	
9	Elevation setting	Standard (sea level) Custom	Define m (ft)																	
10	CO2 indicator levels	None Standard Custom	(800,1200 ppm) Define Yellow Red ppm																	
11	Trimmers	With adjustment trimmers No adjustment trimmers																		
12	Quick reference guide	No manual <i>Multilingual for analog devices</i>																		

Accessories:

- HTM10SP Humidity and temperature module
- GM10SP CO2 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

GMW90R 3 2 L B E 1 A A 0 0 A 1