VAISALA

GMW90R Order Form
G010033EN-A
Valid from September 2023

GMW90R
Room CO2, Humidity and Temperature Transmitter

				Spareparts	1	2	3	4	5	6	7	8	9	10	11	12
	CO2+RH+T transmitter			**GMW90R**											**A**	
hardware	1 Output	**3-wire voltage output**			**3**											
		3-wire current output			**4**											
		RS485 digital communication			**5**											
	2 Output Signal	**Digital communication**[1]				**0**										
		0...10 V 3-wire				**2**										
		0...5 V 3-wire				**3**										
		4...20mA 3-wire				**4**										
		0...20mA 3-wire				**5**										
settings	3 Output Parameter for Analog Output 1[2]	**Digital communication**[1]					**A**									
		RH 0...100 %					**B**									
		Td -20 ... +55 °C (-4 ... +131 °F)					**C**									
		X 0...100g/kg (0...700 gr/lb)					**D**									
		H special scale, please specify:	_____				**H**									
		Td special scale, please specify:	_____				**K**									
		CO2 0...2000 ppm					**L**									
		CO2 0...5000 ppm					**M**									
		CO2 special scale, please specify:	_____				**N**									
		RH special scale, please specify:	_____				**R**									
		A special scale, please specify:	_____				**S**									
		T special scale, please specify:	_____				**T**									
		Tw special scale, please specify:	_____				**W**									
		dTd special scale, please specify:	_____				**Y**									
		X special scale, please specify:	_____				**X**									
	4 Output Parameter for Analog Output 2[2]	**Digital communication**[1]						**A**								
		RH 0...100 %						**B**								
		Td -20 ... +55 °C (-4 ... +131 °F)						**C**								
		X 0...100g/kg (0...700 gr/lb)						**D**								
		T -5...+55 °C (+23 ...+131 °F)						**E**								
		T -0 ... +60 °C (+32 ...+140 °F)						**F**								
		Enthalpy Free Scale Ch2						**H**								
		Td special scale, please specify:	_____					**K**								
		CO2 special scale, please specify:	_____					**N**								
		RH special scale, please specify:	_____					**R**								
		A special scale, please specify:	_____					**S**								
		T special scale, please specify:	_____					**T**								
		Tw special scale, please specify:	_____					**W**								
		dTd special scale, please specify:	_____					**Y**								
		X special scale, please specify:	_____					**X**								
	5 Output Parameter for Analog Output 3[2]	**Digital output**							**A**							
		RH 0...100 %							**B**							
		Td -20 ... +55 °C (-4 ... +131 °F)							**C**							
		X 0...100g/kg (0...700 gr/lb)							**D**							
		T -5...+55 °C (+23 ...+131 °F)							**E**							
		T -0 ... +60 °C (+32 ...+140 °F)							**F**							
		h, free scale (kJ/kg) (Btu/lb)							**H**							
		Td special scale, please specify:	_____						**K**							
		RH special scale, please specify:	_____						**R**							
		CO2 special scale, please specify:	_____						**N**							
		A special scale, please specify:	_____						**S**							
		T special scale, please specify:	_____						**T**							
		Tw special scale, please specify:	_____						**W**							
		dTd special scale, please specify:	_____						**Y**							
		X special scale, please specify:	_____						**X**							
hardware	6 Display and Colour	**Solid Cover White RAL9003 (hidden display)**		*DRW237354SP*						**0**						
		Display Cover White RAL9003 (visible display)		*DRW237339SP*						**1**						
		• *Solid Cover Black RAL9005 (hidden display)*								*2*						
		• *Display Cover Black RAL9005 (visible display)*								*3*						
		• *Solid Cover White RAL9003, no logo (hidden display)*								*8*						
		• *Display Cover White RAL9003, no logo (visible display)*								*9*						
		• *Display and CO2 Indicator White RAL9003 (visible display and LED indicators)* [3]								*A*						
settings	7 Units	**Metric Units**									**A**					
		Non metric units									**B**					
	8 Display Configuration[2]	**T, RH, CO2**										**A**				
		T, h, CO2										**H**				
		T, Td, CO2										**K**				
		T, A, CO2										**S**				
		T, Tw, CO2										**W**				
		T, dTd, CO2										**Y**				
		T, X, CO2										**X**				
	9 Elevation Setting[4]	**Standard Sea level**											**0**			
		Special, please specify (m):	_____										**X**			
	10 CO2 Indicator Levels	**None**												**0**		
		Yellow 800 ppm, red 1200 ppm												**1**		
		Special, please specify (yellow/red ppm):	_____											**X**	**A**	
accessory	12 Quick Reference Quide	**No User's Guide**														**0**
		• *Multilingual Quick Guide for Analog HMW90/GMW90 Series Devices*														*1*
		• *Multilingual Quick Guide for Digital HMW90/GMW90 Series Devices*														*2*

1) Select Digital communication when you have selected RS485 Digital communication (5) in selection 1
2) Parameter abbreviations: RH - relative humidity, Td - dew point, X - mixing ratio, T - temperature, h - enthalpy, Tw - wet bulb temperature, dTd - dew point depressions (difference between ambient temperature and dew point), A - absolute humidity, CO2 - carbon dioxide concentration
3) LED CO2 level indicators only visible together with Display and CO2 indicator cover (selection A)
4) Used for pressure compensation of CO_2 output

Note:	**Selections in bold are included in the prices of the basic versions.**
	• *Selections in italic are available at an extra price.*
Links:	User Guide
	Datasheet
	Vaisala.com product page

Example of order code with typical settings:

		1	2	3	4	5	6	7	8	9	10	11	12
For current output:	**GMW90R**	**4**	**4**	**L**	**E**	**B**	**1**	**A**	**A**	**0**	**0**	**A**	*1*
For voltage output:	**GMW90R**	**3**	**2**	**L**	**E**	**B**	**1**	**A**	**A**	**0**	**0**	**A**	*1*
Modbus:	**GMW90R**	**5**	**0**	**0**	**0**	**0**	**1**	**A**	**A**	**0**	**0**	**A**	*2*

Accessories and spare parts

USB Service Cable M8-4F, RS485	219690
MI70 Connection Cable for HMW90, DMT152/MMT162	219980
Decorative cover set XMW90 family 10pcs	236285
Sliding cover HMW90 Spare Parts	DRW237339SP
Sliding cover, blank HMW90 Spare Parts	DRW237354SP
Digital CO2 module	GM10SP
Humidity and Temperature Replacement Module for HMW90 series, NIST cert	HTM10SP
M12 - M8 service cable 1.5 m (4.9 ft)	262195SP