

VAISALA

Order form
Purchaser

Valid from september 2020
Order no.

HMW90 Humidity and Temperature Transmitter - Voltage Output

											1234567891011
Vaisala HUMICAP® Humidity and Temperature Transmitter						HMW90	3				Price
2	Output signal	0...10 V	3-wire								
		0...5 V	3-wire								
3	Output parameter for analog output 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)					
		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								
		T	0...+60 °C								
		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					
		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)					
5	Display and colour	Non-display, Standard White (RAL9003)									0
		Display, Standard White (RAL9003)									1
		Black (RAL9005, solid cover)									2
		Display, Black (RAL9005)									3
		Non-display, No logo, standard White (RAL9003)									8
6	Units	Display, No logo, standard White (RAL9003)									9
7	Display configuration	Metric									A
		Non metric									B
		Default (RH, T)									
		RH, h, T									A
		Rh, Td, T									H
		RH, a, T									K
		RH, Tw, T									S
8	Relay operation	None									0
		Relay open below set point									1
		Relay open above set point									2
		Fault (Relay closed when transmitter in error state)									F
		Not Fault (Relay closed when transmitter in normal operation)									N
9	Relay set-point (Parameter and Hysteresis)	None									0
		h, free setpoint									H
		Td, free setpoint									K
		RH, free setpoint									R
		a, free setpoint									S
		T, free setpoint									T
		Tw, free setpoint									W
		dTd, free setpoint									Y
		x, free setpoint									X
10	Trimmers	With adjustment trimmer									A
		No adjustment trimmer									B
11	Quick reference guide	No manual									0
		Multilingual for analog devices									1

Accessories:

HTM10SP Humidity and temperature 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

HMW90 3 2 B E 0 A A 0 0 A 1

HMW90 Humidity and Temperature Transmitter - Current Output

			1	2	3	4	5	6	7	8	9	10	11
Vaisala HUMICAP® Humidity and Temperature Transmitter			HMW90	2	1						0	0	Price
3	Output parameter for analog output 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) 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)	B C D H K R S T W Y X										
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 T 0...+60 °C 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 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)	B C D E F H K R S T W Y X										
5	Display and colour	Non-display, Standard White (RAL9003) Display, Standard White (RAL9003) Black (RAL9005, solid cover) Display, Black (RAL9005) Non-display, No logo, standard White (RAL9003) Display, No logo, standard White (RAL9003)									0 1 2 3 8 9		
6	Units	Metric Non metric									A B		
7	Display configuration	Default (RH, T) RH, h, T Entalpy RH, Td, T Dewpoint RH, a, T Absolute humidity RH, Tw, T Wetbulb temperature RH, dTd, T Dewpoint depression RH, x, T Mixing ratio									A H K S W Y X		
10	Trimmers	With adjustment trimmer No adjustment trimmer									A B		
11	Quick reference guide	No manual Multilingual for analog devices										0 1	

Accessories:

- HTM10SP Humidity and temperature module
- 219980 Connection cable for HM70 hand-held meter
- 219690 USB cable for PC connection

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HMW90 2 1 B E 0 A A 0 0 A 1

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HMW90 Humidity and Temperature Transmitter - BACnet/Modbus

		1 2 3 4 5 6 7 8 9 10 11													
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMW90		5	0	A	A				0	0	0		Price
5	Display and colour	Non-display, Standard White (RAL9003)													
		Display,Standard White (RAL9003)													
		Black (RAL9005, solid cover)													
		Display, Black (RAL9005)													
		Non-display, No logo, standard White (RAL9003)													
6	Units	Display, No logo, standard White (RAL9003)													
		Metric													
7	Display configuration	Non metric													
		Default (RH, T)													
		RH, h, T													
		Rh, Td,T													
		RH, a, T													
		RH, Tw, T													
		RH, dTd, T													
		RH, x,T													
10	Trimmers	Entalphy													
		Dewpoint													
11	Quick reference guide	Absolute humidity													
		Wetbulb temperature													
		Dewpoint depression													
		Mixing ratio													
		X													
		A													
		B													
		A													
		B													
		0													
		2													

Accessories:

HTM10SP Humidity and temperature 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
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HMW90	5	0	A	A	0	A	A	0	0	A	2
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