



## HMW90 Humidity and Temperature Transmitter

		1	2	3	4	5	6	7	8	9	10	11	Price
<b>Vaisala HUMICAP® Humidity and Temperature Transmitter</b>			<b>HMW90</b>	<b>2</b>	<b>1</b>								
3	<b>Analog output parameter for channel 1</b>	RH	0...100 %RH *(Standard)										
		Td	-20 ... +55°C (-4 ... +131°F)										
		x	0 ... 100 g/kg (0 ... 700 gr/lb)										
		h, free scale	Define <u>Low</u> _____ High _____										
		Td, free scale	Define <u>Low</u> _____ High _____										
		RH, free scale	Define <u>Low</u> _____ High _____										
		A, free scale	Define <u>Low</u> _____ High _____										
		T, free scale	Define <u>Low</u> _____ High _____										
		Tw, free scale	Define <u>Low</u> _____ High _____										
		dTd, free scale	Define <u>Low</u> _____ High _____										
		x, free scale	Define <u>Low</u> _____ High _____										
4	<b>Output parameter for analog output 2</b>	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) *(Standard)										
		T	0...+60 °C (+32...+140 °F)										
		h, free scale	Define <u>Low</u> _____ High _____										
		Td, free scale	Define <u>Low</u> _____ High _____										
		RH, free scale	Define <u>Low</u> _____ High _____										
		A, free scale	Define <u>Low</u> _____ High _____										
		T, free scale	Define <u>Low</u> _____ High _____										
		Tw, free scale	Define <u>Low</u> _____ High _____										
		dTd, free scale	Define <u>Low</u> _____ High _____										
		x, free scale	Define <u>Low</u> _____ High _____										
5	<b>Display and colour</b>	Standard White (RAL9003, solid cover)	STDWHITESOLID										
		Standard White (RAL9003, display cover)	STDWHITEDISP										
		Black (RAL9005, solid cover)	BLACKSOLID										
		Black (RAL9005, display cover)	BLACKDISPLAY										
		Grey (RAL7035, solid cover)	GREYSOLID										
		Grey (RAL7035, display cover)	GREYDISPLAY										
		Light Ivory (RAL1015, solid cover)	IVORYSOLID										
		Light Ivory (RAL1015, display cover)	IVORYDISPLAY										
		No logo, standard White (RAL9003, solid cover)	NOLOGOSTDSOLID										
		No logo, standard White (RAL9003, display cover)	NOLOGOSTDDISPLAY										
6	<b>Units</b>	Metric											
		Non metric											
7	<b>Display configuration</b>	Default (T, RH)											
		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										
11	<b>Quick reference guide</b>	No manual											
		Multilingual for analog devices											

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

HMW90 2 1 B F 0 A A 0 0 A 1

Accessories and spare parts:

Order code	Description	Price:
HTM10SP	Humidity and temperature module	\$230
219980	Connection cable for HM70 hand-held meter	\$120
219690	USB cable fro PC connection	\$120

\* For standard relative humidity and temperature transmitters (no calculated parameters or non-standard scales) please use the following part numbers and prices:

HMW92: 4 ... 20 mA analog output (RH = 0 ... 100%; temp = -5 ... +55 °C) and solid cover	\$415
HMW92D: 4 ... 20 mA analog output (RH = 0 ... 100%; temp = -5 ... +55 °C) and display cover	\$415

# VAISALA

## HMW90 Humidity and Temperature Transmitter

1 2 3 4 5 6 7 8 9 10 11 Price

Vaisala HUMICAP® Humidity and Temperature Transmitter					HMW90	3							A			
2	Output signal	0...10 V 0...5 V	3-wire 3-wire	*(Standard)			2 3									
3	Analog output parameter for channel 1	RH Td x h, free scale Td, 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)	*(Standard)									B C D H K R S T W Y X			
4	Output parameter for analog output 2	RH Td x T T h, free scale Td, 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) *(Standard) 0...+60 °C (+32...+140 °F)										B C D E F H K R S T W Y X			
5	Display and colour	Standard White (RAL9003, solid cover) Standard White (RAL9003, display cover) Black (RAL9005, solid cover) Black (RAL9005, display cover) Grey (RAL7035, solid cover) Grey (RAL7035, display cover) Light Ivory (RAL1015, solid cover) Light Ivory (RAL1015, display cover) No logo, standard White (RAL9003, solid cover) No logo, standard White (RAL9003, display cover)	STDWHITESOLID STDWHITEDISP BLACKSOLID BLACKDISPLAY GREYSOLID GREYDISPLAY IVORYSOLID IVORYDISPLAY NOLOGOSTDSOLID NOLOGOSTDDISPLAY				0 1 2 3 4 5 6 7 8 9									
6	Units	Metric Non metric											A B			
7	Display configuration	Default (T, RH) RH, h, T Rh, Td,T RH, A, T RH, Tw, T RH, dTd, T RH, x,T	Entalphy Dewpoint Absolute humidity Wetbulb temperature Dewpoint depression Mixing ratio										A H K S W Y X			
8	Relay operation	None Relay closed above set point Relay closed below set point Fault (Relay closed when transmitter in error state) Not Fault (Relay closed when transmitter in normal operation)											0 1 2 F N			
9	Relay set-point (Parameter and Hysteresis)	None h, free setpoint Td, free setpoint RH, free setpoint A, free setpoint T, free setpoint Tw, free setpoint dTd, free setpoint x, free setpoint	Define Define Define Define Define Define Define Define	Low limit Low limit Low limit Low limit Low limit Low limit Low limit Low limit	High limit High limit High limit High limit High limit High limit High limit High limit	kJ/kg (Btu/lb) °C (°F) %RH g/m³ (gr/ft³) °C (°F) °C (°F) °C (°F) g/kg (gr/lb)	H K R S T W Y X									
11	Quick reference guide	No manual Multilingual for analog devices					0 1									

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HMW90 3 2 B F 0 A A 0 0 A 1

### Accessories and spare parts:

Order Code	Description	Price:
HTM10SP	Humidity and temperature module	\$210
219980	Connection cable for HM70 hand-held meter	\$100
219690	USB cable fro PC connection	\$100

\*For standard relative humidity and temperature transmitters (no calculated parameters or non-standard scales)  
please use the following part numbers:

HMW93: 0 ... 10V analog outputs (RH = 0 ... 100%; temp = -5 ... +55 °C) and solid cover	\$385
HMW93D: 0 ... 10V analog outputs (RH = 0 ... 100%; temp = -5 ... +55 °C) and display cover	\$385