

**VAISALA**

Order form
Purchaser

Valid from April 2021
Order no.

HMT331 Humidity and Temperature Transmitter

For wall mounting

[illegible]

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

Example of order code with typical settings:

HMT330	1	8	0	B	1	1	1	B	C	A	B	1	0	0	A	5	C	A	A	B	A	A	1
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End customer:

HMT333 Humidity and Temperature Transmitter

For general purpose humidity measurements

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT333																						
1 Transmitter type	HMT333	3	0																					1 PRICE
2 Cable length	2 m cable, +80°C PUR cable 5 m cable, +80°C PUR cable 10 m cable, +80°C PUR cable 20 m cable, +80°C PUR cable 2 m cable, +120°C FEP cable 5 m cable, +120°C FEP cable 10 m cable, +120°C FEP cable	E	F	G	Q	4	5	6																
3 No additional temperature probe		0																						
4 Parameters	RH+T+Td+Td+a+x+Tw+ppm+pw+pws+h+dT	B																						
5 Display	No display Graphical display with keypad	0	1																					
6 Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN interface in USA and Canada)	0	1	2	3	4	5	6	9															
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) + Serial interface RS232 or optional communication module	4... 20 mA	0... 20 mA	0... 1 V	0... 5 V	0... 10 V																		
8 Analog output signals	No 3rd analog output RH (0... 100%RH) T (range: see below) Td (-20...100°C) (-4...+212 °F) Td (-20...100°C) (-4...+212 °F) a (0...600g/m3) (0...262 gr/ft3) Tw (0...100°C) (+32...+212 °F) x (0...500g/kg d.a) (0...3500gr/lb) h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb) ppm (0...5000) (0...5000) pw (0...1000 hPa) (0...14.5psi) pws (0...1000 hPa) (0...14.5psi) dT (-10...+50 °C) (14...+122 °F)																							
9 for Ch1, Ch2 and Ch3																								
10 SPECIAL Define quantity Define scale	Ch1: Ch2: Ch3: Optional Ch3: Channel 1 Channel 2 Channel 3, choose A if not needed																							
11 Analog output range for temperature	No temperature output -40...+60°C (-40...+140°F) -40...+80°C (-40...+176°F) -40...+120°C (-40...+248°F) -20...+60°C (-4...+140°F) -20...+80°C (-4...+176°F) -20...+120°C (-4...+248°F) 0...+60°C (+32...+140°F) 0...+100°C (+32...+212°F) 0...+120°C (+32...+248°F) special :																							
12 Output units	Metric Non-metric																							
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) Data logger module																							
14 Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13																							
15 Cable bushings	Cable gland M20 x 1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")																							
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																							
17 Humidity sensor type	General purpose and high chemical concentrations with chemical purge function Humidity sensor for hydrogen peroxide environments	HUMICAP180R HUMICAP180RC HUMICAP180VC																						
18 Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter																							
19 Installation kit for probe	No kit Duct installation kit Cable gland AGRO M20 x 1.5 with split seal																							
20 Operating manual language	No manual English German French Finnish Swedish Spanish Japanese Russian Chinese																							
21 PC Accessories	No MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB																							
22 Calibration	ISO9001 compliant factory calibration Special calibration, ordered separately																							
23 Additional maintenance	No maintenance and repair contract																							

Selections in bold are included in the prices of the basic versions.
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Example of order code with typical settings:

HMT333 3 E 0 B 1 0 1 B C A F 1 0 0 A 0 C A B A A 1

End customer:

HMT334 Humidity and Temperature Transmitter

For pressurized processes up to 100 bars

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT334																						
1 Transmitter type	HMT334	4	0																					1 PRICE
2 Cable length	2 m cable 5 m cable 10 m cable	H	J	K																				
3 No additional temperature probe		0																						
4 Parameters	RH+T+Td+Td+a+x+Tw+ppm+pw+pws+h+dT	B																						
5 Display	No display Graphical display with keypad	0	1																					
6 Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN interface in USA and Canada)	0	1	2	3	4	5	6																
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) + Serial interface RS232 or optional communication module	4... 20 mA 0... 20 mA 0... 1 V 0... 5 V 0... 10 V	1	2	3	4	5																	
8 Analog output signals	No 3rd analog output																							
9 for Ch1, Ch2 and Ch3	RH T Td (-20...100°C) Td (-20...100°C) a (0...600g/m3) Tw (0...100°C) x (0...500g/kg d.a) h (-40...1500 kJ/kg) ppm (0...5000) pw (0...1000 hPa) pws (0...1000 hPa) dT (-10...+50 °C)	(0... 100%RH) (range: see below) (-4...+212 °F) (-4...+212 °F) (0...262 grift3) (+32...+212 °F) (0...3500gr/lb) (-9.5...+652.6 Btu/lb) (0...5000) (0...14.5psi) (0...14.5psi) (14...+122 °F)	B	B	B	C	C	C	D	D	D	E	E	E	F	F	F	G	G	G	H	H	H	J
SPECIAL Define quantity	Ch1: Ch2: Optional Ch3:																							
SPECIAL Define scale	Ch1: Ch2: Optional Ch3:																							
11 Analog output range for temperature	No temperature output -40...+60°C -40...+80°C -40...+120°C -40...+180°C -20...+60°C -20...+80°C -20...+120°C -20...+180°C 0...+60°C 0...+100°C 0...+120°C 0...+180°C -60...60 °C Special	(-40...+140°F) (-40...+176°F) (-40...+248°F) (-40...+356°F) (-4...+140°F) (-4...+176°F) (-4...+248°F) (-4...+356°F) (+32...+140°F) (+32...+ 212°F) (+32...248°F) (+32...356°F) (-76...+140°F)	A	B	C	D	E	F	G	H	J	K	L	M	N	P	X							
12 Output units	Metric Non-metric																							
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) Data logger module																							
14 Option for module slot 2	No module Relay output 3rd Analog output Data logger module																							
15 Cable bushings	Cable gland M20 x 1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")																							
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																							
17 Humidity sensor type	General purpose and high chemical concentrations with chemical purge function Humidity sensor for hydrogen peroxide environments	HUMICAP180R HUMICAP180RC HUMICAP180VC	spare: HUMICAP180R spare: HUMICAP180RC spare: HUMICAP180VC	A	B	C	D	E	F	G	H	J	K	L	M	N	P	X						
18 Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid																							
19 Installation kit for probe	Fitting body M22 x 1,5 Fitting body NPT 1/2"																							
20 Operating manual language	No manual English German French Finnish Swedish Spanish pdf user's guides available at: www.vaisala.com/hmt334 Russian Chinese																							
21 PC Accessories	No MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB																							
22 Calibration	ISO9001 compliant factory calibration Special calibration, ordered separately																							
23 Additional maintenance	No maintenance and repair contract																							

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Example of order code with typical settings:

HMT334 4 H 0 0 1 0 1 B C A L 1 0 0 0 A 0 C A E B A A 1

End customer:

HMT335 Humidity and Temperature Transmitter

Long probe for high temperature installations

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT335																						
1 Transmitter type	HMT335	5																						1
2 Cable length	2 m cable 5 m cable 10 m cable 15 m cable		L																					
3 No additional temperature probe		0																						
4 Parameters	RH+Td+Td+Td+a+x+Tw+ppm+pw+h+dT																							
5 Display	No display Graphical display with keypad																							
6 Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN interface in USA and Canada)																							
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) + Serial interface RS232 or optional communication module																							
8 Analog output signals	No 3rd analog output RH (0...100%RH) Td (-20...100°C) Td (-20...100°C) a (0...600g/m3) Tw (0...100°C) x (0...500g/kg d.a) h (-40...1500 kJ/kg) ppm (0...5000) pw (0...1000 hPa) pws (0...1000 hPa) dT (-10...+50 °C)																							
9 Ch1, Ch2 and Ch3	Define quantity Define scale																							
10 SPECIAL	Define quantity Define scale																							
11 Analog output range	No temperature output -40...+60°C -40...+80°C -40...+120°C -40...+180°C -20...+60°C -20...+80°C -20...+120°C -20...+180°C 0...+60°C 0...+100°C 0...+120°C 0...+180°C -60...60 °C Special																							
12 Output units	Metric Non-metric																							
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) Data logger module																							
14 Option for module slot 2	No module Relay output 3rd Analog output Data logger module																							
15 Cable bushings	Cable gland M20 x 1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")																							
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																							
17 Humidity sensor type	General purpose and high chemical concentrations with chemical purge function Humidity sensor for hydrogen peroxide environments																							
18 Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid																							
19 Installation kit	No kit Mounting flange																							
20 Operating manual	No manual English German French Finnish Swedish Spanish Japanese Russian Chinese																							
21 PC Accessories	No MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB																							
22 Calibration	ISO9001 compliant factory calibration Special calibration, ordered separately																							
23 Additional maintenance	No maintenance and repair contract																							
		TOTAL																						
		QTY																						
		TOTAL VALUE																						

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Example of order code with typical settings:

HMT335 5 L 0 B 1 0 1 B C A B 1 0 0 A 0 C A B A A 1

End customer:

HMT337 Humidity and Temperature Transmitter

Vapor and pressure proof probe for high humidities

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330																						
1 Transmitter type		7																						
2 Cable length		7																						
2 m cable		S																						
5 m cable		T																						
10 m cable		U																						
20 m cable		R																						
3 Additional temperature probe		0																						
4 Parameters		B																						
5 Display		0																						
Graphical display with keypad		1																						
6 Power supply		0																						
10...35 VDC ; 24 VAC		1																						
10...35 VDC; 24 VAC with galvanic isolation		2																						
Universal AC-power (100...240 VAC)		3																						
Universal AC-power (100...240 VAC) + US power cord		4																						
Universal AC-power (100...240 VAC) + EUR power cord		5																						
Universal AC-power (100...240 VAC) + UK power cord		6																						
Universal AC-power (100...240 VAC) + AUS power cord		7																						
External US AC-adaptor (for LAN interface in USA and Canada)		9																						
7 Signal output		1																						
Analog output channel (Ch1&Ch2&Ch3)		2																						
Analog output channel (Ch1&Ch2&Ch3)		3																						
- Ch1&Ch2 are mandatory		4																						
- Ch3 is optional		5																						
+ Serial interface RS232 or optional communication module		6																						
8 Analog output signals		A																						
9 for Ch1, Ch2 and Ch3		B																						
RH (0...100%RH)		C																						
T (range : see below)		D																						
Td (-20...100°C)		E																						
Td (-20...100°C)		F																						
a (0...600g/m3)		G																						
Tw (0...100°C)		H																						
x (0...500g/kg d.a)		I																						
h (-40...+1500 kJ/kg)		J																						
ppm (0...5000)		K																						
pw (0...1000 hPa)		L																						
pws (0...1000 hPa)		M																						
dT (-10...+50 °C)		N																						
SPECIAL Define quantity		X																						
Define scale		X																						
Ch1: Ch2: Optional Ch3:		X																						
Ch1: Ch2: Optional Ch3:		X																						
Channel 1		X																						
Channel 2		X																						
Channel 3, choose A, if not needed		X																						
11 Analog output range for temperature		A																						
No temperature output		B																						
-40...+60°C		C																						
-40...+80°C		D																						
-40...+120°C		E																						
-40...+180°C		F																						
-20...+60°C		G																						
-20...+80°C		H																						
-20...+120°C		I																						
-20...+180°C		J																						
0...+60°C		K																						
0...+100°C		L																						
0...+120°C		M																						
0...+180°C		N																						
-60...60 °C		P																						
Special		X																						
12 Output units		1																						
Metric		2																						
Non-metric		3																						
13 Option for module slot 1		0																						
No module		1																						
Relay output		2																						
RS-485 serial interface (galvanically isolated)		6																						
Data logger module		6																						
14 Option for module slot 2		0																						
No module		1																						
Relay output		3																						
3rd Analog output		6																						
Data logger module		6																						
15 Cable bushings		A																						
Cable gland M20 x 1.5		B																						
Conduit fitting NPT1/2"		C																						
Note: The Universal		D																						
AC power not connected		E																						
8-pole connector with 5m cable		F																						
8-pole counter connector equipped with screw terminals		G																						
Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")		G																						
16 Transmitter installation		0																						
Normal mounting		1																						
Wall mounting plate		2																						
Pole installation kit		3																						
Pole installation kit with rain shield		4																						
DIN rail kit		4																						
17 Humidity sensor type		A																						
General purpose and high chemical concentrations		B																						
with chemical purge function		C																						
Humidity sensor for hydrogen peroxide environments		K																						
18 Sensor protection		A																						
PPS plastic grid & stainless steel netting		B																						
PPS plastic grid		C																						
Sintered stainless steel filter		D																						
Stainless steel grid		D																						
19 Installation kit for probe		A																						
No kit		C																						
Duct installation kit		D																						
Cable gland AGRO		K																						
Swagelok NPT 1/2"		L																						
Swagelok ISO 3/8"		Y																						
Swagelok ISO 1/2"		Y																						
20 Operating manual language		A																						
No manual		B																						
English		C																						
German		D																						
French		E																						
Finnish		F																						
Swedish		G																						
Spanish		J																						
Japanese		K																						
Russian		V																						
Chinese		V																						
21 PC Accessories		A																						
No		C																						
MITOLINK software for Windows® with RS232 service cable		D																						
Service cable for PC, USB		D																						
22 Calibration		A																						
ISO9001 compliant factory calibration		X																						
Special calibration, ordered separately		X																						
23 Additional maintenance		1																						
No maintenance and repair contract		X																						
		TOTAL																						
		QTY																						
		TOTAL VALUE																						

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Selections in *italic* are available at an extra price.

Example of order code with typical settings:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
HMT330	7	S	0	B	1	0	1	B	C	A	B	1	0	0	A	0	C	A	A	B	A	A	1

End customer:

For dew point or relative humidity measurements under high humidity

End customer:

**VAISALA**

Order form
Purchaser

Valid from April 2021
Order no.

HMT338 Humidity and Temperature Transmitter

For pressurized pipelines

[illegible]

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

Example of order code with typical settings:

HMT330	8	V	0	B	1	0	1	B	C	A	B	1	0	0	A	0	A	A	A	B	A	A	1
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End customer: