

HMT331 Humidity and Temperature Transmitter

For wall mounting

		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	0																				
1	Transmitter type	HMT331																																											
2	Wall probe	fixed with short cable <i>Probe holder plate recommended in selection 16</i>																						A	8																				
3	No additional temperature probe																							0																					
4	Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT																						A	B																				
5	Display	No display <i>Graphical display with keypad</i>																						0	1																				
6	Power supply	10...35 VDC ; 24 VAC <i>10...35 VDC ; 24 VAC with galvanic isolation</i> 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 <i>External US AC-adaptor (for LAN/WLAN interface in USA and Canada) Not IP65</i>																						0	1	2	3	4	5	6	9														
7	Signal output	Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA - Ch1&Ch2 are mandatory Analog output channel (Ch1&Ch2&Ch3) 0... 1 V - Ch3 is optional Analog output channel (Ch1&Ch2&Ch3) 0... 5 V Analog output channel (Ch1&Ch2&Ch3) 0... 10 V + Serial interface RS232 or optional communication module																						1	2	3	4	5																	
8	Analog output signals	No 3rd analog output																							A																				
9	for Ch1 , Ch2 and Ch3	RH (0...100%RH) B B B T (range: see below) C C C Td (-20...100 °C) (-4...+212 °F) D D D Tdf (-20...100 °C) (-4...+212 °F) E E E a (0...600g/m3) (0...262 gr/ft3) F F F Tw (0...100 °C) (+32...+212 °F) G G G x (0...500g/kg d.a) (0...3500gr/lb) H H H h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb) J J J ppm (0...5000) (0...5000) K K K pw (0...1000 hPa) (0...14.5psi) L L L pws (0...1000 hPa) (0...14.5psi) M M M dT (-10...+50 °C) (14...+122 °F) N N N SPECIAL Define quantity Ch1: Ch2: Optional Ch3: X X X Define scale Ch1: Ch2: Optional Ch3:																																											
11	Analog output range for temperature	No temperature output (-40...+60 °C) (-40...+140 °F) Note: -20...+60 °C (-4...+140 °F) - Choose option A, if no 0...+60 °C (+32...+140 °F) T output is desired Special :																						A	B	F	K	X																	
12	Output units	Metric 1 Non-metric 2																																											
13	Option for module slot 1	No module 0 Relay output 1 RS-485 serial interface (galvanically isolated) 2 LAN (Ethernet) interface + 2 m cable (RJ45) <i>Please see note *) below</i> 4 WLAN (Wireless Ethernet) interface + antenna <i>With short cable probe only</i> 5 Data logger module 6																																											
14	Option for module slot 2	No module 0 Relay output 1 3rd Analog output <i>Choose also analog output signal for Ch3</i> 3 Data logger module <i>Not possible if the data logger module has already been chosen in item 13</i> 6																																											
15	Cable bushings	Cable gland M20 x 1.5 A Conduit fitting NPT1/2" B Note: The Universal AC power not connected through 8-pole connector! 8-pole connector with 5 m cable spare cable: 212142 C 8-pole counter connector equipped with screw terminals spare connector: 212416 D Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2") G																																											
16	Transmitter installation	Normal mounting 0 Wall mounting plate item: 214829 1 Pole installation kit item: 215108 2 Pole installation kit with rain shield item: 215109 3 DIN rail kit item: 215094 4 Probe holder plate <i>Recommended with short cable probe</i> 5																																											
17	Humidity sensor type	General purpose and high chemical concentrations HUMICAP180R spare: HUMICAP180R A with chemical purge function HUMICAP180RC spare: HUMICAP180RC C General purpose HUMICAP180 spare: 15778HM 1 with chemical purge function HUMICAP180C spare: 229011SP 4 Catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC K																																											
18	Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP A PPS plastic grid spare: DRW010276SP B Sintered stainless steel filter spare: HMT7280SP C																																											
19	No probe installation kit																								A																				
20	Operating manual language	No manual A English B German C French D Finnish E Swedish F pdf user's guides available at: www.vaisala.com/hmt330 Japanese G Russian H Chinese I																																											
21	PC Accessories	No A Service cable for PC, RS232 (D9 female connector) item: 19446ZZ B MITOLINK software for Windows® with RS232 service cable item: 215005 C Service cable for PC, USB item: 219685 D MITOLINK software for Windows® with USB service cable item: 219916 E																																											
22	Calibration	ISO9001 compliant factory calibration service item for calibration: 216989 A ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) N Special calibration see separate order form X																																											
23	Additional maintenance	No maintenance and repair contract 1																																											

*) Note! Simultaneous installation of LAN and Universal AC-power is possible only with a short cable probe.

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

TOTAL
QTY
TOTAL VALUE

Example of order code with typical settings:

HMT330 1 A 0 A 1 0 1 B C A B 1 0 0 A 1 A A A B A A 1

End customer:

HMT333 Humidity and Temperature Transmitter

For general use

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1	
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT333	3	0																					PRICE	
1 Transmitter type	HMT333																									
2 Cable length	2 m cable, +80 °C 5 m cable, +80 °C 10 m cable, +80 °C 20 m cable, +80 °C 2 m cable, +120 °C 5 m cable, +120 °C 10 m cable, +120 °C																									
3 No additional temperature probe																										
4 Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+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/WLAN 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) Analog output channel (Ch1&Ch2&Ch3) + Serial interface RS232 or optional communication module																									
8 Analog output signals for Ch1, Ch2 and Ch3	No 3rd analog output RH T Td (-20...100 °C) Tdf (-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)																									
SPECIAL Define quantity Define scale	Ch1: _____ Ch2: _____ 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) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna 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" Note: The Universal AC power not connected through 8-pole connector! 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 General purpose with chemical purge function Catalytic humicap sensor with chemical purge																									
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 pdf user's guides available at: www.vaisala.com/hmt333 Japanese Russian Chinese																									
21 PC Accessories	No Service cable for PC, RS232 (D9 female connector) MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB MITOLINK software for Windows® with USB service cable																									
22 Calibration	ISO9001 compliant factory calibration ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) Special calibration																									
23 Additional maintenance	No maintenance and repair contract																									
TOTAL																										
QTY																										
TOTAL VALUE																										

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:

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

End customer: _____

HMT334 Humidity and Temperature Transmitter

For pressurized processes

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330																							1
1 Transmitter type		HMT334																							PRICE
2 Cable length		2 m cable 5 m cable 10 m cable																							
3 No additional temperature probe		0																							
4 Parameters		RH+T RH+T+Td+Td+Ta+x+Tw+ppm+pws+h+dT																							
5 Display		No display <i>Graphical display with keypad</i>																							
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 <i>External US AC-adapter (for LAN/WLAN interface in USA and Canada) Not IP65</i>																							
7 Signal output		Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 1 V Analog output channel (Ch1&Ch2&Ch3) 0... 5 V Analog output channel (Ch1&Ch2&Ch3) 0... 10 V + Serial interface RS232 or optional communication module																							
8 Analog output signals for Ch1, Ch2 and Ch3		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) s (0...500g/m3) (0...252 gr/lb) 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)																							
SPECIAL Define quantity Define scale		Ch1: _____ Ch2: _____ Optional Ch3: _____ Ch1: _____ Ch2: _____ 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) -40...+180 °C (-40...+356 °F) -20...+60 °C (-4...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -20...+180 °C (-4...+356 °F) 0...+60 °C (+32...+140 °F) 0...+100 °C (+32...+212 °F) 0...+120 °C (+32...+248 °F) 0...+180 °C (+32...+356 °F) -60...60 °C (-76...+140 °F) Special :																							
12 Output units		Metric Non-metric																							
13 Option for module slot 1		No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module																							
14 Option for module slot 2		No module Relay output 3rd Analog output Data logger module <i>Choose also analog output signal for Ch3 Not possible if the data logger module has already been chosen in item 13</i>																							
15 Cable bushings		Cable gland M20 x 1.5 Conduit fitting NPT1/2" Note: The Universal AC power not connected through 8-pole connector! 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") spare cable: 212142 spare connector: 212416																							
16 Transmitter installation		Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit item: 214829 item: 215108 item: 215109 item: 215094																							
17 Humidity sensor type		General purpose and high chemical concentrations with chemical purge function General purpose with chemical purge function Catalytic humicap sensor with chemical purge HUMICAP180R HUMICAP180RC HUMICAP180 HUMICAP180C HUMICAP180VC spare: HUMICAP180R spare: HUMICAP180RC spare: 15778HM spare: 229011SP spare: HUMICAP180VC																							
18 Sensor protection		PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid Fitting body M22 x 1.5 Fitting body NPT 1/2" spare: DRW010281SP spare: DRW010276SP spare: HM47280SP spare: HM47453SP																							
19 Installation kit for probe																									
20 Operating manual language		No manual English German French Finnish Swedish pdf user's guides available at: www.vaisala.com/hmt330 Japanese Russian Chinese																							
21 PC Accessories		No Service cable for PC, RS232 (D9 female connector) MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB MITOLINK software for Windows® with USB service cable item: 19446ZZ item: 215005 item: 219685 item: 219916																							
22 Calibration		ISO9001 compliant factory calibration ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) Special calibration service item for calibration: 216989																							
23 Additional maintenance		No maintenance and repair contract																							
		1																							
		TOTAL																							
		QTY																							
		TOTAL VALUE																							

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

End customer: _____

HMT335 Humidity and Temperature Transmitter

For high temperatures

		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	5	0																				1
1	Transmitter type	HMT335	5																					
2	Cable length	2 m cable 5 m cable 10 m cable 15 m cable	L M N P																					
3	No additional temperature probe		0																					
4	Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	A 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-adapter (for LAN/WLAN interface in USA and Canada) Not IP65	0 1 2 3 4 5 6 9																					
7	Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) - Ch1&Ch2 are mandatory - Ch3 is optional 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 (0... 100%RH) T (range: see below) Td (-20...+100 °C) (-4...+212 °F) Tdf (-20...+100 °C) (-4...+212 °F) a (0...600g/m3) (0...262 grft3) 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)	B C D E F G H J K L M N X																					
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) -40...+180 °C (-40...+356 °F) -20...+60 °C (-4...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -20...+180 °C (-4...+356 °F) 0...+60 °C (+32...+140 °F) 0...+100 °C (+32...+ 212 °F) 0...+120 °C (+32...248 °F) 0...+180 °C (+32...356 °F) -60...60 °C (-76...+140 °F) Special : _____	A B C D E F G H J K L M N P X																					
12	Output units	Metric Non-metric	1 2																					
13	Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module	0 1 2 4 5 6																					
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	0 1 3 6																					
15	Cable bushings	Cable gland M20 x 1.5 Conduit fitting NPT1/2" Note: The Universal AC power not connected through 8-pole connector! 8-pole connector with 5m cable spare cable: 212142 8-pole counter connector equipped with screw terminals spare connector: 212416 Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")	A B C D G																					
16	Transmitter installation	Normal mounting Wall mounting plate item: 214929 Pole installation kit item: 215108 Pole installation kit with rain shield item: 215109 DIN rail kit item: 215094	0 1 2 3 4																					
17	Humidity sensor type	General purpose and high chemical concentrations HUMICAP180R spare: HUMICAP180R with chemical purge function HUMICAP180RC spare: HUMICAP180RC General purpose HUMICAP180 spare: 15778HM with chemical purge function HUMICAP180C spare: 229011SP Catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC	A C 1 4 K																					
18	Sensor protection	PPS plastic grid & stainless steel netting spare: DRW0102B1SP PPS plastic grid spare: DRW010276SP Sintered stainless steel filter spare: HM47280SP Stainless steel grid spare: HM47453SP	A B C D																					
19	Installation kit for probe	No kit Mounting flange item: 210696	A G																					
20	Operating manual language	No manual English German French Finnish Swedish Japanese Russian Chinese	A B C D E F J K V																					
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 19446ZZ MI70LINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MI70LINK software for Windows® with USB service cable item: 219916	A B C D E																					
22	Calibration	ISO9001 compliant factory calibration service item for calibration: 216989 ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) Special calibration see separate order form	A N X																					
23	Additional maintenance	No maintenance and repair contract																						
																							1	
																							TOTAL	
																							QTY	
																							TOTAL VALUE	

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

HMT337 Humidity and Temperature Transmitter

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	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330	7	0																					1
1	Transmitter type	HMT337	7																						
2	Cable length	2 m cable 5 m cable 10 m cable 20 m cable	T U R																						
3	Additional temperature probe	No probe	0																						
4	Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pbs+h+dT	A 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/WLAN interface in USA and Canada) Not IP65	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	1 2 3 4 5																					
8	Analog output signals for Ch1 , Ch2 and Ch3	No 3rd analog output RH (0... 100%RH) T (range : see below) Td (-20...100 °C) (-4...+212 °F) Tdf (-20...100 °C) (-4...+212 °F) a (0...500g/m3) (0...262 gr/ft3) Tw (0...100 °C) (+32...+212 °F) x (0...500g/kg d.a) (0...350gr/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) Ch1: _____ Ch2: _____ Optional Ch3: _____ SPECIAL Define quantity Define scale Ch1: _____ Ch2: _____ Optional Ch3: _____ Channel 1 Channel 2 Channel 3, choose A, if not needed	B B B C C C D D D E E E F F F G G G H H H J J J K K K L L L M M M N N N X X X																						
11	Analog output range for temperature	No temperature output -40...+50 °C (-40...+140 °F) -40...+80 °C (-40...+176 °F) Note: - Choose option A, if no T output is desired -40...+120 °C (-40...+248 °F) -40...+180 °C (-40...+356 °F) -20...+60 °C (-4...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -20...+180 °C (-4...+356 °F) 0...+60 °C (+32...+140 °F) 0...+100 °C (+32...+212 °F) 0...+120 °C (+32...248 °F) 0...+180 °C (+32...356 °F) -60...60 °C (-76...+140 °F) Special : _____	A B C D E F G H J K L M N P X																						
12	Output units	Metric Non-metric	1 2																						
13	Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module	0 1 2 4 5 6																						
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	0 1 3 6																						
15	Cable bushings	Cable gland M20 x 1.5 Conduit fitting NPT1/2" Note: The Universal AC power not connected through 8-pole connector! 8-pole connector with 5m cable spare cable: 212142 8-pole counter connector equipped with screw terminals spare connector: 212416 Bushings Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2") G	A B C D G																						
16	Transmitter installation	Normal mounting Wall mounting plate item: 214829 Pole installation kit item: 215108 Pole installation kit with rain shield item: 215109 DIN rail kit item: 215094	0 1 2 3 4																						
17	Humidity sensor type	General purpose and high chemical concentrations with chemical purge function HUMICAP180R spare: HUMICAP180R HUMICAP180RC spare: HUMICAP180RC General purpose with chemical purge function HUMICAP180 spare: 15778HM HUMICAP180C spare: 229011SP Catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC	A C 1 4 K																						
18	Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP PPS plastic grid spare: DRW010276SP Sintered stainless steel filter spare: HM47280SP Stainless steel grid spare: HM47453SP	A B C D																						
19	Installation kit for probe	No kit Duct installation kit item: 210697 Cable gland AGRO item: HMP247CG Swagelok NPT 1/2" item: SWG12NPT12 Swagelok ISO 3/8" item: SWG12ISO38 Swagelok ISO 1/2" item: SWG12ISO12	A C D K L Y																						
20	Operating manual language	No manual English German French Finnish Swedish pdf user's guides available at: www.vaisala.com/hmt330 Japanese Russian Chinese	A B C D E F J K V																						
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 19446ZZ M70LINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 M70LINK software for Windows® with USB service cable item: 219916	A B C D E																						
22	Calibration	ISO9001 compliant factory calibration ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) Special calibration see separate order form	A N X																						
23	Additional maintenance	No maintenance and repair contract	1																						

TOTAL
QTY
TOTAL VALUE

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

Example of order code with typical settings:

HMT330 7 | 7 | S | 0 | A | 1 | 0 | 1 | B | C | A | B | 1 | 0 | 0 | A | A | A | B | A | A | 1 | 1

End customer: _____

HMT337 Humidity and Temperature Transmitter with warmed 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	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter HMT330 7																								
1 Transmitter type	HMT337 7																							
2 Cable length (dew point probe)	2 m cable S																							
	5 m cable T																							
	10 m cable U																							
	20 m cable R																							
3 Additional temperature probe	No probe 0																							
	2 m cable 1																							
	5 m cable 2																							
	20 m cable 3																							
NOTE: select to measure RH and T 7																								
4 Parameters	Td+Tdf+x+pw (dew point probe only) C RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT (with additional T probe) D																							
5 Display	No display 0 Graphical display with keypad 1																							
6 Power supply	10...35 VDC, 24 VAC 0																							
	10...35 VDC, 24 VAC with galvanic isolation 1																							
	Universal AC-power (100...240 VAC) 2																							
	Universal AC-power (100...240 VAC) + US power cord 3																							
	Universal AC-power (100...240 VAC) + EUR power cord 4																							
	Universal AC-power (100...240 VAC) + UK power cord 5 Universal AC-power (100...240 VAC) + AUS power cord 6 External US AC-adaptor (for LAN/WLAN interface in USA and Canada) Not IP65 9																							
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA 1																							
	Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA 2																							
	- Ch1&Ch2 are mandatory Analog output channel (Ch1&Ch2&Ch3) 0... 1 V 3																							
	- Ch3 is optional Analog output channel (Ch1&Ch2&Ch3) 0... 5 V 4																							
	+ Serial interface RS232 or optional communication module 5																							
8 Analog output signals	No 3rd analog output A																							
9 for Ch1, Ch2 and Ch3 (ref. to parameters selection above)	RH (0... 100%RH) B B B																							
	T (range: see below) C C C																							
	Td (-20...100 °C) (-4...+212 °F) D D D																							
	Tdf (-20...100 °C) (-4...+212 °F) E E E																							
	a (0...600g/m3) (0...262 gr/l) F F F																							
	Tw (0...100 °C) (+32...+212 °F) G G G																							
	x (0...500g/kg d.a) (0...3500gr/lb) H H H																							
	h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb) J J J																							
	ppm (0...5000) (0...5000) K K K																							
	pw (0...1000 hPa) (0...14.5psi) L L L																							
	pws (0...1000 hPa) (0...14.5psi) M M M																							
	dT (-10...+50 °C) (14...+122 °F) N N N																							
	SPECIAL Define quantity Define scale	Ch1: Ch2: Optional Ch3: X X X																						
Ch1: Ch2: Optional Ch3: Channel 1 Channel 2 Channel 3, choose A, if not needed																								
11 Analog output range for temperature	No temperature output A																							
	-40...+60 °C (-40...+140 °F) B																							
	-40...+80 °C (-40...+176 °F) C																							
	NOTE: -40...+120 °C (-40...+248 °F) D																							
	-40...+180 °C (-40...+356 °F) E																							
	T output is desired -20...+60 °C (-4...+140 °F) F																							
	-20...+80 °C (-4...+176 °F) G																							
	-20...+120 °C (-4...+248 °F) H																							
	-20...+180 °C (-4...+356 °F) J																							
	0...+60 °C (+32...+140 °F) K																							
	0...+100 °C (+32...+212 °F) L																							
	0...+120 °C (+32...248 °F) M																							
	0...+180 °C (+32...356 °F) N																							
	-60...60 °C (-76...+140 °F) P																							
Special : X																								
12 Output units	Metric 1 Non-metric 2																							
13 Option for module slot 1	No module 0																							
	Relay output 1																							
	RS-485 serial interface (galvanically isolated) 2																							
	LAN (Ethernet) interface + 2 m cable (RJ45) 4																							
	WLAN (Wireless Ethernet) interface + antenna Data logger module 6																							
14 Option for module slot 2	No module 0																							
	Relay output 1 3rd Analog output Choose also analog output signal for Ch3 3 Data logger module Not possible if the data logger module has already been chosen in item 13 6																							
15 Cable bushings	Cable gland M20 x 1.5 A Conduit fitting NPT1/2" B Note: The Universal AC power not connected through 8-pole connector 8-pole connector with 5m cable spare cable: 212142 C 8-pole counter connector equipped with screw terminals spare connector: 212416 D Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2") 0																							
	Normal mounting 0																							
	Wall mounting plate item: 214829 1																							
	Pole installation kit item: 215108 2 Pole installation kit with rain shield item: 215109 3 CIV rail kit item: 215094 4																							
17 Humidity sensor type	Chemical tolerant composite sensor HUMICAP180RC spare: HUMICAP180RC D																							
	Composite sensor with chemical purge HUMICAP180RC spare: HUMICAP180RC E																							
	Composite sensor for fuel cell applications HUMICAP180RC spare: HUMICAP180RC F																							
	Composite sensor HUMICAP180C spare: 229011SP 5																							
	Composite sensor with chemical purge HUMICAP180C spare: 229011SP 6 Heated catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC A																							
18 Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP L																							
	Sintered stainless steel filter spare: HM47280SP C																							
	Stainless steel grid spare: HM47453SP D																							
	Membrane SST filter for fuel cell applications spare: 214648SP F																							
19 Installation kit for probe	No kit A																							
	Duct installation kit (for RH probe) item: 210697 C																							
	Swagelok NPT 1/2" item: SWG12NPT12 K																							
	Swagelok ISO 3/8" item: SWG12ISO38 L																							
	Duct installation kit (RH + T probes) item: 210697+215003 P																							
	Swagelok NPT 1/2" + Swagelok NPT 1/8" (RH+T) item: SWG12NPT12+SWG18 Q																							
	Swagelok ISO 3/8" + Swagelok ISO 1/8" (RH+T) item: SWG12ISO38+SWG6ISO18 R Swagelok ISO 1/2" item: SWG12ISO12 Y Splash/direct water protector for warmed RH&T and T probes HMT330WPA 1																							
20 Operating manual language	No manual A																							
	English B																							
	German C																							
	French D																							
	Finnish E																							
	Swedish F																							
pdf user's guides available at: www.vaisala.com/hmt330 Japanese J Russian K Chinese V																								
21 PC Accessories	No A																							
	Service cable for PC, RS232 (D9 female connector) item: 19446ZZ B																							
	M70LINK software for Windows® with RS232 service cable item: 215005 C																							
	Service cable for PC, USB item: 219685 D M70LINK software for Windows® with USB service cable item: 219916 E																							
22 Calibration	ISO9001 compliant factory calibration service item for calibration: 216989 A ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C) N Special calibration see separate order form X																							
	23 Additional maintenance No maintenance and repair contract 1																							
TOTAL																								
QTY																								
TOTAL VALUE																								

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

Example of order code with typical settings:

HMT330|7|S|1|D|1|0|1|B|C|A|B|1|0|0|A|0|D|A|A|B|A|A|1

End customer:

HMT338 Humidity and Temperature Transmitter

For pressurized pipelines

		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		HMT338																						0
1 Transmitter type	HMT338	8																						
2 Cable length	2 m cable for 232 mm probe	V																						
	5 m cable for 232 mm probe	W																						
	10 m cable for 232 mm probe	X																						
	2 m cable for 454 mm probe	1																						
	5 m cable for 454 mm probe	2																						
	10 m cable for 454 mm probe	3																						
	20 m cable for 454 mm probe	9																						
3 No additional temperature probe		0																						
4 Parameters	RH+T	A																						
	RH+T+Td+Td+a+x+Tw+ppm+pw+pws+h+dT	B																						
5 Display	No display	0																						
	Graphical display with keypad	1																						
6 Power supply	10...35 VDC, 24 VAC	0																						
	10...35 VDC, 24 VAC with galvanic isolation	1																						
	Universal AC-power (100...240 VAC)	2																						
	Universal AC-power (100...240 VAC) + US power cord	3																						
	Universal AC-power (100...240 VAC) + EUR power cord	4																						
	Universal AC-power (100...240 VAC) + UK power cord	5																						
	Universal AC-power (100...240 VAC) + AUS power cord	6																						
	External US AC-adaptor (for LAN/WLAN interface in USA and Canada)	9																						
7 Signal output	Analog output channel (Ch1&Ch2&Ch3)	4... 20 mA																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 20 mA																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 1 V																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 5 V																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 10 V																						
	+ Serial interface RS232 or optional communication module																							
8 Analog output signals	No 3rd analog output	A																						
9 for Ch1, Ch2 and Ch3	RH (0... 100%RH)	B																						
	T (range: see below)	C																						
	Td (-20...+100 °C) (-4...+212 °F)	D																						
	Td (-20...+100 °C) (-4...+212 °F)	E																						
	a (0...600g/m3) (0...262 gr/ft3)	F																						
	Tw (0...+100 °C) (+32...+212 °F)	G																						
	x (0...500g/kg d.a) (0...3500gr/lb)	H																						
	h (-40...+1500 kJ/kg) (-9.5...+652.6 Btu/lb)	J																						
	ppm (0...5000) (0...5000)	K																						
	pw (0...1000 hPa) (0...14.5psi)	L																						
	pws (0...1000 hPa) (0...14.5psi)	M																						
	dT (-10...+50 °C) (14...+122 °F)	N																						
SPECIAL	Define quantity Ch1: Ch2: Optional Ch3:	X X X																						
	Define scale Ch1: Ch2: Optional Ch3:																							
	Channel 1																							
	Channel 2																							
	Channel 3, choose A, if not needed																							
11 Analog output range for temperature	No temperature output	A																						
	-40...+60 °C (-40...+140 °F)	B																						
	-40...+80 °C (-40...+176 °F)	C																						
	-40...+120 °C (-40...+248 °F)	D																						
	-40...+180 °C (-40...+356 °F)	E																						
	-20...+60 °C (-4...+140 °F)	F																						
	-20...+80 °C (-4...+176 °F)	G																						
	-20...+120 °C (-4...+248 °F)	H																						
	-20...+180 °C (-4...+356 °F)	J																						
	0...+60 °C (+32...+140 °F)	K																						
	0...+100 °C (+32...+212 °F)	L																						
	0...+120 °C (+32...+248 °F)	M																						
	0...+180 °C (+32...+356 °F)	N																						
	-60...60 °C (-76...+140 °F)	P																						
	Special	X																						
12 Output units	Metric	1																						
	Non-metric	2																						
13 Option for module slot 1	No module	0																						
	Relay output	1																						
	RS-485 serial interface (galvanically isolated)	2																						
	LAN (Ethernet) interface + 2 m cable (RJ45)	4																						
	WLAN (Wireless Ethernet) interface + antenna	5																						
	Data logger module	6																						
14 Option for module slot 2	No module	0																						
	Relay output	1																						
	3rd Analog output Choose also analog output signal for Ch3	3																						
	Data logger module Not possible if the data logger module has already been chosen in item 13	6																						
15 Cable bushings	Cable gland M20 x 1.5	A																						
	Conduit fitting NPT1/2"	B																						
	AC power not connected	C																						
	8-pole connector with 5m cable	D																						
	8-pole counter connector equipped with screw terminals	D																						
	Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")	G																						
16 Transmitter installation	Normal mounting	0																						
	Wall mounting plate	item: 214829																						
	Pole installation kit	item: 215108																						
	Pole installation kit with rain shield	item: 215109																						
	DIN rail kit	item: 215094																						
17 Humidity sensor type	General purpose and high chemical concentrations	HUMICAP180R spare: HUMICAP180R																						
	with chemical purge function	HUMICAP180RC spare: HUMICAP180RC																						
	General purpose	HUMICAP180 spare: 15778HM																						
	with chemical purge function	HUMICAP180C spare: 229011SP																						
	Catalytic humicap sensor with chemical purge	HUMICAP180VC spare: HUMICAP180VC																						
18 Sensor protection	PPS plastic grid & stainless steel netting	K																						
	PPS plastic grid	spare: DRW010281SP																						
	Sintered stainless steel filter	spare: DRW010276SP																						
	Stainless steel grid	spare: HMA74280SP																						
	Stainless steel filter	spare: HMA7453SP																						
19 Installation kit for probe	Ball valve set (ISO 1/2")	item: BALLVALVE-1																						
	Pressure fitting NPT 1/2"																							
	Pressure fitting ISO 1/2"																							
20 Operating manual language	No manual	A																						
	English	B																						
	German	C																						
	French	D																						
	Finnish	E																						
	Swedish	F																						
	Japanese	J																						
	Russian	K																						
	Chinese	V																						
21 PC Accessories	No	A																						
	Service cable for PC, RS232 (D9 female connector)	item: 19446ZZ																						
	M70LINK software for Windows® with RS232 service cable	item: 215005																						
	Service cable for PC, USB	item: 219685																						
	M70LINK software for Windows® with USB service cable	item: 219916																						
22 Calibration	ISO9001 compliant factory calibration	service item for calibration: 216989																						
	ISO9001 extended temperature range calibration (-20 °C, 0 °C, +60 °C)																							
	Special calibration	see separate order form																						
23 Additional maintenance	No maintenance and repair contract	1																						

TOTAL
QTY
TOTAL VALUE

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:

HMT338 | 8 | V | 0 | A | 1 | 0 | 1 | B | C | A | B | 1 | 0 | 0 | A | 0 | A | A | B | A | A | 1

End customer: