

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 Transmitter type	HMT331	1																						
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 <i>RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT</i>	A																						
5 Display	No display <i>Graphic LCD with backlight</i>	0																						
6 Power supply	10...35 VDC, 24 VAC <i>10...35 VDC, 24 VAC with galvanic isolation</i> <i>Universal AC-power (100...240 VAC)</i> <i>Universal AC-power (100...240 VAC) + US power cord</i> <i>Universal AC-power (100...240 VAC) + EUR power cord</i> <i>Universal AC-power (100...240 VAC) + UK power cord</i> <i>Universal AC-power (100...240 VAC) + AUS power cord</i> <i>External US AC-adapter (for LAN/WLAN interface in USA and Canada)</i>	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) + 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																							
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 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) pw (0...1000 hPa) (0...14.5psi) pws (0...1000 hPa) (0...14.5psi) dT (-10...+50 °C) (14...+122 °F)																							
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____																							
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) -20...+60°C (-4...+140°F) - Choose option A, if no T output is desired 0...+60°C (+32...+140°F) Special : _____																							
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																							
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*1.5 Conduit fitting NPT1/2" Note: The Universal AC power not connected through 8-pole connector! 8-pole connector with 5 m cable 8-pole counter connector equipped with screw terminals																							
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 Probe holder plate Recommended with short cable probe																							
17 Humidity sensor type	General purpose and high chemical concentrations HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C																							
18 Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP PPS plastic grid spare: DRW010276SP Sintered stainless steel filter spare: HMT7280SP																							
19 No probe installation kit																								
20 Operating manual language	No manual English German French Finnish Swedish Japanese Russian																							
21 PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MITOLINK software for Windows® with USB service cable item: 219916																							
22 Calibration	ISO9001 compliant factory calibration 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																						

*) 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.

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		
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT333																								
1 Transmitter type	HMT333	3	0																						PRICE	
2 Cable length	2 m cable, +80°C 5 m cable, +80°C 10 m cable, +80°C 2 m cable, +120°C 5 m cable, +120°C 10 m cable, +120°C		E	F	G	4	5	6																		
3 No additional temperature probe		0																								
4 Parameters	RH+T RH+T+Td+Tdf+a+xx+Tw+ppm+pw+pws+h+dT		A	B																						
5 Display	No display Graphic LCD with backlight	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	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 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)																									
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____																									
SPECIAL 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	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*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																									
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 HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C																									
18 Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP PPS plastic grid spare: DRW010276SP Sintered stainless steel filter spare: HM47280SP																									
19 Installation kit for probe	No kit Duct installation kit item: 210697 Cable gland AGRO M20 x 1.5 with split seal item: HMP247CG																									
20 Operating manual language	No manual English German French Finnish Swedish Japanese Russian																									
21 PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ 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 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																								

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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	
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330	4	0																				1	PRICE
1	Transmitter type	HMT334	4																						
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 RH+T+Td+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	A B																						
5	Display	No display Graphic LCD with backlight	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) 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 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)	B C D E F G H J K L M N X																						
10	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 : _____	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*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	A B C D																						
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 HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C	A C 1 4																						
18	Sensor protection	PPS plastic grid spare: DRW010281SP PPS plastic grid spare: DRW010276SP Sintered stainless steel filter spare: HMA7280SP Stainless steel grid spare: HMA7453SP	A B C D																						
19	Installation kit for probe	Fitting body M22 x 1.5 Fitting body NPT 1/2"	E F																						
20	Operating manual language	No manual English German French Finnish Swedish Japanese Russian	A B C D E F J K																						
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MITOLINK 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		

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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 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	PRICE
1	Transmitter type	HMT335																							
2	Cable length	2 m cable 5 m cable 10 m cable	L M N																						
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 Graphic LCD with backlight	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) 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) 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)	(0... 100%RH) (range: see below) (-4...+212 F) (-4...+212 F) (0...262 gr/ft3) (+32...+212F) (0...3500gr/lb) (-9.5...+652.6 Btu/lb) (0...5000) (0...14.5psi) (0...14.5psi) (14...+122 F)	B C D E F G H J K L M N X																					
10	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...+140F) -40...+80°C (-40...+176F) -40...+120°C (-40...+248F) -40...+180°C (-40...+356F) -20...+60°C (-4...+140F) -20...+80°C (-4...+176F) -20...+120°C (-4...+248F) -20...+180°C (-4...+356F) 0...+60°C (+32...+140F) 0...+100°C (+32...+212F) 0...+120°C (+32...248F) 0...+180°C (+32...356F) -60...-60 °C (-76...+140F) 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*1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals	A B C D																						
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 HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C	A C 1 4																						
18	Sensor protection	PPS plastic grid PPS plastic grid Sintered stainless steel filter Stainless steel grid	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	A B C D E F J K																						
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MITOLINK 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 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 1 0 0 A 0 A A B A A 1

End customer: _____

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	
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330	7	0																				1	PRICE
1	Transmitter type	HMT337	7																						
2	Cable length	2 m cable 5 m cable 10 m cable	S T U																						
3	Additional temperature probe	No probe	0																						
4	Parameters	RH+T <i>RH+T+Td+Td+a+x+Tw+ppm+pw+pws+h+dT</i>	A B																						
5	Display	No display <i>Graphic LCD with backlight</i>	0 1																						
6	Power supply	10...35 VDC, 24 VAC 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) <i>Not IP65</i>	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 5	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 gr/ft3) Tw (0...100°C) (+32...+212F) x (0...500g/kg d.a) (0...3500gr/lb) h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb) ppm (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	B B C C D D E E F F G G H H J J K K L L M M N N X X																					
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...+140F) -40...+80°C (-40...+176F) Note: - Choose option A, if no T output is desired -40...+120°C (-40...+248F) -40...+180°C (-40...+356F) -20...+60°C (-4...+140F) -20...+80°C (-4...+176F) -20...+120°C (-4...+248F) -20...+180°C (-4...+356F) 0...+60°C (+32...+140F) 0...+100°C (+32...+ 212F) 0...+120°C (+32...248F) 0...+180°C (+32...356F) -60...60 °C (-76...+140F) 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*1.5 Note: The Universal AC power not connected through 8-pole connector! Conduit fitting NPT1/2" 8-pole connector with 5m cable spare cable: 212142 8-pole counter connector equipped with screw terminals spare connector: 212416	A B C D																						
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 HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C	A C 1 4																						
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 Japanese Russian	A B C D E F J K																						
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MITOLINK 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 italic are available at an extra price.

Example of order code with typical settings:

HMT330 7 S 0 A 1 0 1 B C A B 1 0 0 A 0 A A A B A A A 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	
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330																						1	PRICE
1	Transmitter type	HMT337																							
2	Cable length (dew point probe)	2 m cable 5 m cable 10 m cable																						S T U	
3	Additional temperature probe	No probe 2 m cable 5 m cable 10 m cable																						0 1 2 3	
4	Parameters	Td+Td+xx+pw RH+T+Td+Td+xx+T+ppm+pw+pws+h+dT (dew point probe only) (with additional T probe)																						C D	
5	Display	No display Graphic LCD with backlight																						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) 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																						1 2 3 4 5	
8	Analog output signals	No 3rd analog output																						A	
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 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) pw (0...1000 hPa) (0...14.5psi) pws (0...1000 hPa) (0...14.5psi) dT (-10...+50 °C) (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 J J K K K L L L M M M N N N X X X	
10	(ref. to parameters selection above)	SPECIAL Define quantity Ch1: Ch2: Optional Ch3: Define scale Ch1: Ch2: Optional Ch3: Channel 1 Channel 2 Channel 3, choose A, if not needed																						X X X	
11	Analog output range for temperature	No temperature output -40...+60°C (-40...+140F) -40...+80°C (-40...+176F) -40...+120°C (-40...+248F) -40...+180°C (-40...+356F) -20...+60°C (-4...+140F) -20...+80°C (-4...+176F) -20...+120°C (-4...+248F) -20...+180°C (-4...+356F) 0...+60°C (+32...+140F) 0...+100°C (+32...+212F) 0...+120°C (+32...248F) 0...+180°C (+32...356F) -60...60 °C (-76...+140F) 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 M20x1.5 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																						A B C D	
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	Chemical tolerant composite sensor HUMICAP180RC Composite sensor with chemical purge HUMICAP180RC Composite sensor for fuel cell applications HUMICAP180RC Composite sensor HUMICAP180C Composite sensor with chemical purge HUMICAP180C																						D E F 5 6	
18	Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP Sintered stainless steel filter spare: HM47280SP Stainless steel grid spare: HM47453SP Membrane SST filter for fuel cell applications spare: 214848SP																						A C D D F	
19	Installation kit for probe	No kit Duct installation kit (for RH probe) item: 210697 Swagelok NPT 1/2" item: SWG12NPT12 Swagelok ISO 3/8" item: SWG12ISO38 Duct installation kit (RH + T probes) item: 210697+215003 Swagelok NPT 1/2" + Swagelok NPT 1/8" (RH+T) item: SWG12NPT12+SWG12NPT18 Swagelok ISO 3/8" + Swagelok ISO 1/8" (RH+T) item: SWG12ISO38+SWG6ISO18 Swagelok ISO 1/2" item: SWG12ISO12																						A C K L P Q R Y	
20	Operating manual language	No manual English German French Finnish Swedish Japanese Russian																						A B C D E F J K	
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ 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 italic 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		
1	Transmitter type	HMT338																						8																							
2	Cable length	2 m cable for 232 mm probe 5 m cable for 232 mm probe 10 m cable for 232 mm probe 2 m cable for 454 mm probe 5 m cable for 454 mm probe 10 m cable for 454 mm probe																						V	W	X	1	2	3																		
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 Graphic LCD with backlight																						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																	
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																																													
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 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)																						B	B	C	C	D	D	E	E	F	F	G	G	H	H	J	J	K	K	L	L	M	M	N	N
10	SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____																						X	X	X																					
10	SPECIAL 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) -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*1.5 Note: The Universal AC power not connected through 8-pole connector! 8-pole counter connector equipped with screw terminals																						A	B	C	D																				
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 HUMICAP180R with chemical purge function HUMICAP180RC General purpose HUMICAP180 with chemical purge function HUMICAP180C																						A	C	1	4																				
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	Ball valve set (ISO 1/2") item: BALL-VALVE-1 Pressure fitting NPT 1/2" Pressure fitting ISO 1/2"																						M	N	V																					
20	Operating manual language	No manual English German French Finnish Swedish Japanese Russian																						A	B	C	D	E	F	J	K																
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 194466ZZ MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MITOLINK 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 *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: _____