

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																					
3 No additional temperature probe				0																				
4 Parameters	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT				B																			
5 Display	No display <i>Graphical display with keypad</i>					0																		
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-adaptor for LAN interface in USA and Canada</i>						0																	
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								1															
- Ch1&Ch2 are mandatory									2															
- Ch3 is optional									3															
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) 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	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) Note: -20...+60°C (-4...+140°F) - Choose option A, if no T output is desired																							
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" 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 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 Probe holder plate for short cable probe (item 2: option 8)																							
17 Humidity sensor type	General purpose and high chemical concentrations Sensor 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																							
19 No probe installation kit																								
20 Operating manual language	No manual English German French Finnish Swedish Spanish pdf user's guides available at: www.vaisala.com/hmt330 Japanese Russian Chinese																							
21 PC Accessories	No M170LINK 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 _____

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

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																						0					
1	Transmitter type	HMT333																						3					
2	Cable length	2 m cable, +80°C		PUR cable		E																							
		5 m cable, +80°C		PUR cable		F																							
		10 m cable, +80°C		PUR cable		G																							
		20 m cable, +80°C		PUR cable		Q																							
		2 m cable, +120°C		FEP cable		4																							
		5 m cable, +120°C		FEP cable		5																							
		10 m cable, +120°C		FEP cable		6																							
3	No additional temperature probe	0																											
4	Parameters	RH+T+Td+Tdf+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 interface in USA and Canada)																						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																							
		Analog output channel (Ch1&Ch2&Ch3)		0... 10 V		5																							
		+ 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																							
		Tdf (-20...100°C)		(-4...+212 °F)		E																							
		a (0...600g/m3)		(0...262 grft3)		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																							
						X																							
	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		A																									
	- Choose option A, if no T output is desired	-40...+60°C		(-40...+140°F)		B																							
		-40...+80°C		(-40...+176°F)		C																							
		-40...+120°C		(-40...+248°F)		D																							
		-20...+60°C		(-4...+140°F)		F																							
		-20...+80°C		(-4...+176°F)		G																							
		-20...+120°C		(-4...+248°F)		H																							
		0...+60°C		(+32...+140°F)		K																							
		0...+100°C		(+32...+212°F)		L																							
		0...+120°C		(+32...248°F)		M																							
		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					
		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																						6					
15	Cable bushings	Cable gland M20 x 1.5		A																									
	Note: The Universal AC power not connected through 8-pole connector!	Conduit fitting NPT1/2"		B																									
		8-pole connector with 5m cable		C																									
		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																						1					
		Pole installation kit																						2					
		Pole installation kit with rain shield																						3					
		DIN rail kit																						4					
17	Humidity sensor type	General purpose and high chemical concentrations		HUMICAP180R		spare: HUMICAP180R		A																					
		with chemical purge function		HUMICAP180RC		spare: HUMICAP180RC		C																					
		Humidity sensor for hydrogen peroxide environments		HUMICAP180VC		spare: HUMICAP180VC		K																					
18	Sensor protection	PPS plastic grid & stainless steel netting		A																									
		PPS plastic grid		B																									
		Sintered stainless steel filter		C																									
19	Installation kit for probe	No kit																						A					
		Duct installation kit																						C					
		Cable gland AGRO M20 x 1.5 with split seal		D																									
20	Operating manual language	No manual																						A					
		English																						B					
		German																						C					
		French																						D					
		Finnish																						E					
		Swedish																						F					
		Spanish																						G					
		Japanese																						J					
	pdf user's guides available at: www.vaisala.com/hmt333	Russian																						K					
		Chinese																						V					
21	PC Accessories	No																						A					
		MITOLINK software for Windows® with RS232 service cable																						C					
		Service cable for PC, USB																						D					
22	Calibration	ISO9001 compliant factory calibration																						A					
		Special calibration, ordered separately																						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:

HMT333 | 3 | E | 0 | B | 1 | 0 | 1 | B | C | A | F | 1 | 0 | 0 | A | 0 | C | A | 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		HMT330	4	0																				1
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+Td+Tdf+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) - 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 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	B C D E F G H J K L M N X																				
SPECIAL Define quantity		Ch1: _____ Ch2: _____ Optional Ch3: _____ Ch1: _____ Ch2: _____ Optional Ch3: _____																						
Define scale		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) Data logger module	0 1 2 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!	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 HUMICAP180R spare: HUMICAP180R with chemical purge function HUMICAP180RC spare: HUMICAP180RC Humidity sensor for hydrogen peroxide environments HUMICAP180VC spare: HUMICAP180VC	A C 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	Fitting body M22 x 1,5 Fitting body NPT 1/2"	E F																					
20	Operating manual language	No manual English German French Finnish Spanish Japanese Russian Chinese	A B C D E F G J K V																					
21	PC Accessories	No MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685	A C D																					
22	Calibration	ISO9001 compliant factory calibration service item for calibration: RHCALSTD Special calibration, ordered separately see separate order form	A X																					
23	Additional maintenance	No maintenance and repair contract contact sales for service agreement	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 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		HMT330	5	0																				1	PRICE
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+Td+Td+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	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...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)																							A B C D E F G H J K L M N X X X
SPECIAL Define quantity Define scale		Ch1: _____ Ch2: _____ Optional Ch3: _____ Ch1: _____ Ch2: _____ Optional Ch3: _____																							
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) Note: - Choose option A, if no T output is desired -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) Data logger module	0 1 2 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: 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 spare: HUMICAP180R with chemical purge function HUMICAP180RC spare: HUMICAP180RC Humidity sensor for hydrogen peroxide environments HUMICAP180VC spare: HUMICAP180VC																							A C 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 Mounting flange item: 210696																							A G
20	Operating manual language	No manual English German French Finnish Swedish Spanish pdf user's guides available at: www.vaisala.com/hmt330 Japanese Russian Chinese																							A B C D E F G J K V
21	PC Accessories	No MITOLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685																							A C D
22	Calibration	ISO9001 compliant factory calibration service item for calibration: RHCALSTD Special calibration, ordered separately see separate order form																							A X
23	Additional maintenance	No maintenance and repair contract contact sales for service agreement																							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 | B | 1 | 0 | 1 | B | C | A | B | 1 | 0 | 0 | A | 0 | C | A | 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	7	0																				1
1	Transmitter type	HMT337	7																					
2	Cable length	2 m cable 5 m cable 10 m cable 20 m cable	S T U R																					
3	Additional temperature probe	No probe	0																					
4	Parameters	RH+T+Td+Tdf+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) 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																					
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	X X X																					
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) Data logger module	0 1 2 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 8-pole counter connector equipped with screw terminals 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 Pole installation kit Pole installation kit with rain shield DIN rail kit	item: 214829 item: 215108 item: 215109 item: 215094	1 2 3 4																				
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 C K																			
18	Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid	spare: DRW010281SP spare: DRW010278SP spare: HM47280SP spare: HM47453SP	A B C D																				
19	Installation kit for probe	No kit Duct installation kit Cable gland AGRO Swagelok NPT 1/2" Swagelok ISO 3/8" Swagelok ISO 1/2"	item: 210697 item: HMP247CG item: SWG12NPT12 item: SWG12ISO38 item: SWG12ISO12	A C D K L Y																				
20	Operating manual language	No manual English German French Finnish Swedish Spanish pdf user's guides available at: www.vaisala.com/hmt330 Japanese Russian Chinese	A B C D E F G J K V																					
21	PC Accessories	No M70LINK software for Windows® with RS232 service cable Service cable for PC, USB	item: 215005 item: 219685	A C D																				
22	Calibration	ISO9001 compliant factory calibration Special calibration, ordered separately	service item for calibration: 216989 see separate order form	A X																				
23	Additional maintenance	No maintenance and repair contract	contact sales for service agreement																					
																							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 | B | 1 | 0 | 1 | B | C | A | B | 1 | 0 | 0 | A | 0 | C | 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		HMT330																						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+Td+Tdf+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 interface in USA and Canada)	9																						
7 Signal output	Analogue output channel (Ch1&Ch2&Ch3)	4... 20 mA																						
	Analogue output channel (Ch1&Ch2&Ch3)	0... 20 mA																						
	Analogue output channel (Ch1&Ch2&Ch3)	0... 1 V																						
	Analogue output channel (Ch1&Ch2&Ch3)	0... 5 V																						
	Analogue output channel (Ch1&Ch2&Ch3)	0... 10 V																						
	+ Serial Interface RS232 or optional communication module																							
8 Analogue output signals	No 3rd analogue 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:																				
	Define scale	Ch1:	Ch2:	Optional Ch3:																				
		Channel 1																						
		Channel 2																						
		Channel 3, choose A, if not needed																						
11 Analogue output range for temperature	No temperature output																							
	-40...+60°C	(-40...+140°F)																						
	-40...+80°C	(-40...+176°F)																						
Note:	-40...+120°C	(-40...+248°F)																						
- Choose option A, if no T output is desired	-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	1																						
	Non-metric	2																						
13 Option for module slot 1	No module	0																						
	Relay output	1																						
	RS-485 serial interface (galvanically isolated)	2																						
	Data logger module	6																						
14 Option for module slot 2	No module	0																						
	Relay output	1																						
	3rd Analogue output	3																						
	Data logger module	6																						
15 Cable bushings	Cable gland M20 x 1.5	A																						
Note: The Universal AC power not connected through 8-pole connector!	Conduit fitting NPT1/2"	B																						
	8-pole connector with 5m cable	C																						
	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	1																						
	Pole installation kit	2																						
	Pole installation kit with rain shield	3																						
	DIN rail kit	4																						
17 Humidity sensor type	General purpose and high chemical concentrations with chemical purge function	HUMICAP180R	spare: HUMICAP180R																				A	
	Humidity sensor for hydrogen peroxide environments	HUMICAP180RC	spare: HUMICAP180RC																				C	
		HUMICAP180VC	spare: HUMICAP180VC																				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																						
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																							
	English	A																						
	German	B																						
	French	C																						
	Finnish	D																						
	Swedish	E																						
	Spanish	F																						
	Japanese	G																						
	Russian	J																						
	Chinese	K																						
21 PC Accessories	No																							
	M170LINK software for Windows® with RS232 service cable	item: 215005																						
	Service cable for PC, USB	item: 219685																						
22 Calibration	ISO9001 compliant factory calibration	service item for calibration: 216989																						
	Special calibration, ordered separately	see separate order form																						
23 Additional maintenance	No maintenance and repair contract	contact sales for service agreement																						
TOTAL																								
QTY																								
TOTAL VALUE																								

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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** | **B** | **A** | **A** | **1**

End customer: _____