



VAISALA

Order form
Purchaser _____

Valid from April 2021
Order no. _____

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																						A	1	PRICE																					
1 Transmitter type	HMT331	1																																													
2 Wall probe	fixed	A																																													
	with short cable <i>Probe holder plate recommended in selection 16</i>	8																																													
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																																													
	<i>Graphical display with keypad</i>	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																																													
	<i>External US AC-adaptor (for LAN interface in USA and Canada)</i>	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																																														
9 for Ch1, Ch2 and Ch3	RH (0...100%RH)			A																																											
	T (range: see below)			B																																											
	Td (-20...+100°C)	(-4...+212 °F)		C																																											
	Tdf (-20...+100°C)	(-4...+212 °F)		D																																											
	a (0...600g/m3)	(0...262 gr/ft3)		E																																											
	Tw (0...+100°C)	(+32...+212°F)		F																																											
	x (0...500g/kg d.a)	(0...3500gr/lb)		G																																											
	h (-40...+1500 kJ/kg)	(-9.5...+652.6 Btu/lb)		H																																											
	ppm (0...5000)	(0...5000)		J																																											
	pw (0...1000 hPa)	(0...14.5psi)		K																																											
	pws (0...1000 hPa)	(0...14.5psi)		L																																											
	dT (-10...+50 °C)	(14...+122 °F)		M																																											
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____			N																																											
Define scale	Ch1: _____ Ch2: _____ Optional Ch3: _____			X																																											
	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																																											
Note:	-20...+60°C (-4...+140°F)			F																																											
- Choose option A, if no T output is desired	0...+60°C (+32...+140°F)			K																																											
	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 <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																																											
Note: The Universal AC power not connected through 8-pole connector!	Conduit fitting NPT1/2"			B																																											
	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 for short cable probe (item 2: option 8)			5																																											
17 Humidity sensor type	General purpose and high chemical concentrations	HUMICAP180R	spare: HUMICAP180R	A																																											
	Sensor 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		spare: DRW010281SP	A																																											
	PPS plastic grid		spare: DRW010276SP	B																																											
	Sintered stainless steel filter		spare: HM47280SP	C																																											
19 No probe installation kit				A																																											
20 Operating manual language	No manual																																														
	English			A																																											
	German			B																																											
	French			C																																											
	Finnish			D																																											
	Swedish			E																																											
	Spanish			F																																											
	Japanese			G																																											
	Russian			J																																											
	Chinese			K																																											
	pdf user's guides available at: www.vaisala.com/hmt330			V																																											
21 PC Accessories	No			A																																											
	M170LINK software for Windows® with RS232 service cable	item: 215005		C																																											
	Service cable for PC, USB	item: 219685		D																																											
22 Calibration	ISO9001 compliant factory calibration		service item for calibration: RHCALSTD	A																																											
	Special calibration, ordered separately		see separate order form	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 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)																						B	
		Td (-20...100°C) (-4...+212 °F)																						C	
		Tdf (-20...100°C) (-4...+212 °F)																						C	
		a (0...600g/m3) (0...262 grft3)																						D	
		Tw (0...100°C) (+32...+212°F)																						D	
		x (0...500g/kg d.a) (0...3500gr/lb)																						E	
		h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb)																						E	
		ppm (0...5000) (0...5000)																						F	
		pw (0...1000 hPa) (0...14.5psi)																						F	
		pws (0...1000 hPa) (0...14.5psi)																						F	
		dT (-10...+50 °C) (14...+122 °F)																						G	
	SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____																						H	
	Define scale	Ch1: _____ Ch2: _____ Optional Ch3: _____																						H	
		Channel 1																						I	
		Channel 2																						I	
		Channel 3, choose A if not needed																						J	
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)																						B	
		-40...+120°C (-40...+248°F)																						C	
		-20...+60°C (-4...+140°F)																						C	
		-20...+80°C (-4...+176°F)																						D	
		-20...+120°C (-4...+248°F)																						D	
		0...+60°C (+32...+140°F)																						E	
		0...+100°C (+32...+212°F)																						E	
		0...+120°C (+32...+248°F)																						F	
		special																						F	
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 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	
	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																						A	
		with chemical purge function																						C	
		Humidity sensor for hydrogen peroxide environments																						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	
		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

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Example of order code with typical settings:

HMT333 | 3 | E | 0 | B | 1 | 0 | 1 | B | C | A | F | 1 | 0 | 0 | A | 0 | C | A | 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) 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)	B C D E F G H J K L M N X	A B C D E F G H J K L M N 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...+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	Note: The Universal AC power not connected through 8-pole connector! Cable gland M20 x 1.5 Conduit fitting NPT1/2" 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	Fitting body M22 x 1,5 Fitting body NPT 1/2"	E F																					
20	Operating manual language	No manual English German French Finnish Swedish 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

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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 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...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)																							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 MITO LINK 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: _____



VAISALA

Order form
Purchaser

Valid from April 2021
Order no.

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	8	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 20 m cable for 454 mm probe	V W X 1 2 3 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 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 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																					
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)	B C D E F G H J K L M N 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	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 Data logger module	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	0 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																					
18	Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid	A B C D																					
19	Installation kit for probe	Ball valve set (ISO 1/2") Pressure fitting NPT 1/2" Pressure fitting ISO 1/2"	M N V																					
20	Operating manual language	No manual English German French Finnish Swedish Spanish 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	A C D																					
22	Calibration	ISO9001 compliant factory calibration Special calibration, ordered separately	A 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** | **B** | **1** | **0** | **1** | **B** | **C** | **A** | **B** | **1** | **0** | **0** | **A** | **0** | **A** | **A** | **B** | **A** | **A** | **1**

End customer: _____