

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		HMT331	1	0																				PRICE
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-Td+a+x+Tw+ppm+pw+pws+h+dT	B																						
5 Display	No display <i>Graphical display with keypad</i>	0	1																					
6 Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation <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> <i>Not IP65</i>	0	1	2	3	4	5	6	9															
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA - Ch1&Ch2 are mandatory Analog output channel (Ch1&Ch2&Ch3) 0... 1 V 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																							
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: _____																							
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 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) <i>Please see note *) below</i> WLAN (Wireless Ethernet) interface + antenna <i>With short cable probe only</i> Data logger module	0	1	2	4	5	6																	
14 Option for module slot 2	No module Relay output 3rd Analog output <i>Choose also analog output signal for Ch3</i> Data logger module <i>Not possible if the data logger module has already been chosen in item 13</i>	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 5 m cable <i>spare cable: 212142</i> 8-pole counter connector equipped with screw terminals <i>spare connector: 212416</i> Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT1/2")																							
16 Transmitter installation	Normal mounting <i>Wall mounting plate</i> <i>item: 214829</i> <i>Pole installation kit</i> <i>item: 215108</i> <i>Pole installation kit with rain shield</i> <i>item: 215109</i> <i>DIN rail kit</i> <i>item: 215094</i> <i>Probe holder plate</i> <i>Recommended with short cable probe</i>	0	1	2	3	4	5																	
17 Humidity sensor type	General purpose and high chemical concentrations HUMICAP180R <i>spare: HUMICAP180R</i> <i>with chemical purge function</i> HUMICAP180RC <i>spare: HUMICAP180RC</i> Catalytic humicap sensor with chemical purge HUMICAP180VC <i>spare: HUMICAP180VC</i>																							
18 Sensor protection	PPS plastic grid & stainless steel netting <i>spare: DRW010281SP</i> PPS plastic grid <i>spare: DRW010276SP</i> Sintered stainless steel filter <i>spare: HM47280SP</i>																							
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 <i>Service cable for PC, RS232 (D9 female connector)</i> <i>item: 19446ZZ</i> <i>MIT70LINK software for Windows® with RS232 service cable</i> <i>item: 215005</i> <i>Service cable for PC, USB</i> <i>item: 219685</i> <i>MIT70LINK software for Windows® with USB service cable</i> <i>item: 219916</i>																							
22 Calibration	ISO9001 compliant factory calibration <i>service item for calibration: RHCALSTD</i> <i>Special calibration</i> <i>see separate order form</i>																							
23 Additional maintenance	No maintenance and repair contract																							

*) 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 B 1 0 1 B C A B 1 0 0 A 1 A A A B A A 1

End customer: _____

TOTAL
QTY
TOTAL VALUE

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																						0
1 Transmitter type	HMT333	3																						
2 Cable length	2 m cable, +80 °C	E																						
	5 m cable, +80 °C	F																						
	10 m cable, +80 °C	G																						
	20 m cable, +80 °C	4																						
	2 m cable, +120 °C	5																						
	5 m cable, +120 °C	6																						
	10 m cable, +120 °C	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/WLAN interface in USA and Canada)	9																						
7 Signal output	Analog output channel (Ch1&Ch2&Ch3)	4... 20 mA																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 20 mA																						
- Ch1&Ch2 are mandatory	Analog output channel (Ch1&Ch2&Ch3)	0... 1 V																						
- Ch3 is optional	Analog output channel (Ch1&Ch2&Ch3)	0... 5 V																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 10 V																						
	+ Serial interface RS232 or optional communication module	Not IP65																						
8 Analog output signals	No 3rd analog output	A																						
9 for Ch1 , Ch2 and Ch3	RH (0... 100%RH)	B B B																						
	T (range: see below)	C C C																						
	Td (-20...100 °C) (-4...+212 °F)	D D D																						
	Tdf (-20...100 °C) (-4...+212 °F)	E E E																						
	a (0...600g/m3) (0...262 gr/ft3)	F F F																						
	Tw (0...100 °C) (+32...+212 °F)	G G G																						
	x (0...500g/kg d.a) (0...3500gr/lb)	H H H																						
	h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb)	J J J																						
	ppm (0...5000) (0...5000)	K K K																						
	pw (0...1000 hPa) (0...14.5psi)	L L L																						
	pws (0...1000 hPa) (0...14.5psi)	M M M																						
	dT (+10...+50 °C) (14...+122 °F)	N N N																						
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____	X X X																						
Define scale	Ch1: _____ Ch2: _____ Optional Ch3: _____	X X 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																						
- Choose option A, if no T output is desired	-40...+80 °C (-40...+176 °F)	C																						
	-40...+120 °C (-40...+248 °F)	D																						
	-20...+60 °C (-4...+140 °F)	E																						
	-20...+80 °C (-4...+176 °F)	F																						
	-20...+120 °C (-4...+248 °F)	G																						
	0...+60 °C (+32...+140 °F)	H																						
	0...+100 °C (+32...+212 °F)	K																						
	0...+120 °C (+32...+248 °F)	L																						
	special _____	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																						
	LAN (Ethernet) interface + 2 m cable (RJ45)	4																						
	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	item: 214829																						
	Pole installation kit	item: 215108																						
	Pole installation kit with rain shield	item: 215109																						
	DIN rail kit	item: 215094																						
17 Humidity sensor type	General purpose and high chemical concentrations	HUMICAP180R	spare: HUMICAP180R																				A	
	with chemical purge function	HUMICAP180RC	spare: HUMICAP180RC																				C	
	Catalytic humicap sensor with chemical purge	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/hmt330	Russian																					K		
	Chinese																					V		
21 PC Accessories	No																					A		
	Service cable for PC, RS232 (D9 female connector)																					B		
	M170LINK software for Windows® with RS232 service cable																					C		
	Service cable for PC, USB																					D		
	M170LINK software for Windows® with USB service cable																					E		
22 Calibration	ISO9001 compliant factory calibration																					A		
	Special calibration																					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 | **3** | **E** | **0** | **B** | **1** | **0** | **1** | **B** | **C** | **A** | **F** | **1** | **0** | **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																						0
1 Transmitter type	HMT334	4																						
2 Cable length	2 m cable	H																						
	5 m cable	J																						
	10 m cable	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	0																						
	Graphical display with keypad	1																						
6 Power supply	10...35 VDC - 24 VAC	0																						
	10...35 VDC, 24 VAC with galvanic isolation	1																						
	Universal AC-power (100...240 VAC)	2																						
	Universal AC-power (100...240 VAC) + US power cord	3																						
	Universal AC-power (100...240 VAC) + EUR power cord	4																						
	Universal AC-power (100...240 VAC) + UK power cord	5																						
	Universal AC-power (100...240 VAC) + AUS power cord	6																						
	External US AC-adaptor (for LAN/WLAN interface in USA and Canada)	9																						
7 Signal output	Analog output channel (Ch1&Ch2&Ch3)	4... 20 mA																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 20 mA																						
- Ch1&Ch2 are mandatory	Analog output channel (Ch1&Ch2&Ch3)	0... 1 V																						
- Ch3 is optional	Analog output channel (Ch1&Ch2&Ch3)	0... 5 V																						
	+ Serial interface RS232 or optional communication module	0... 10 V																						
8 Analog output signals	No 3rd analog output	A																						
9 for Ch1, Ch2 and Ch3	RH (0... 100%RH)	B B B																						
	T (range: see below)	C C C																						
	Td (-20...100 °C) (-4...+212 °F)	D D D																						
	Tdf (-20...100 °C) (-4...+212 °F)	E E E																						
	a (0...600g/m3) (0...262 gr/ft3)	F F F																						
	Tw (0...100 °C) (+32...+212 °F)	G G G																						
	x (0...500g/kg d.a) (0...3500gr/lb)	H H H																						
	h (-40...1500 kJ/kg) (-9.5...+652.6 Btu/lb)	J J J																						
	ppm (0...5000) (0...5000)	K K K																						
	pw (0...1000 hPa) (0...14.5psi)	L L L																						
	pws (0...1000 hPa) (0...14.5psi)	M M M																						
	dT (-10...+50 °C) (14...+122 °F)	N N N																						
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____	X X X																						
SPECIAL Define scale	Ch1: _____ Ch2: _____ Optional Ch3: _____	X X 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																						
	-40...+80 °C (-40...+176 °F)	C																						
Note:	-40...+120 °C (-40...+248 °F)	D																						
- Choose option A, if no T output is desired	-40...+180 °C (-40...+356 °F)	E																						
	-20...+60 °C (-4...+140 °F)	F																						
	-20...+80 °C (-4...+176 °F)	G																						
	-20...+120 °C (-4...+248 °F)	H																						
	-20...+180 °C (-4...+356 °F)	J																						
	0...+60 °C (+32...+140 °F)	K																						
	0...+100 °C (+32...+212 °F)	L																						
	0...+120 °C (+32...248 °F)	M																						
	0...+180 °C (+32...396 °F)	N																						
	-60...-60 °C (-76...+140 °F)	P																						
	Special _____	X																						
12 Output units	Metric	1																						
	Non-metric	2																						
13 Option for module slot 1	No module	0																						
	Relay output	1																						
	RS-485 serial interface (galvanically isolated)	2																						
	LAN (Ethernet) interface + 2 m cable (RJ45)	4																						
	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 with chemical purge function	HUMICAP180R	spare: HUMICAP180R																				A	
	Catalytic humicap sensor with chemical purge	HUMICAP180VC	spare: HUMICAP180VC																				C	
		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		
	Stainless steel grid	spare: HM47453SP																				D		
19 Installation kit for probe	Fitting body M22 x 1,5	E																						
	Fitting body NPT 1/2"	F																						
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																						
	Service cable for PC, RS232 (D9 female connector)	item: 19446ZZ																				B		
	M70LINK software for Windows® with RS232 service cable	item: 215005																				C		
	Service cable for PC, USB	item: 219685																				D		
	M70LINK software for Windows® with USB service cable	item: 219916																				E		
22 Calibration	ISO9001 compliant factory calibration	service item for calibration: RHCALSTD																				A		
	Special calibration	see separate order form																				X		
23 Additional maintenance	No maintenance and repair contract	1																						
																						TOTAL		
																						QTY		
																						TOTAL VALUE		

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

Example of order code with typical settings:

HMT330 | **4** | **H** | **0** | **A** | **1** | **0** | **1** | **B** | **C** | **A** | **L** | **1** | **0** | **0** | **A** | **0** | **A** | **E** | **B** | **A** | **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																						0
1 Transmitter type	HMT335	5																						
2 Cable length	2 m cable	L																						
	5 m cable	M																						
	10 m cable	N																						
	15 m cable	P																						
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/WLAN interface in USA and Canada)	9																						
7 Signal output	Analog output channel (Ch1&Ch2&Ch3)	4... 20 mA																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 20 mA																						
- Ch1&Ch2 are mandatory	Analog output channel (Ch1&Ch2&Ch3)	0... 1 V																						
- Ch3 is optional	Analog output channel (Ch1&Ch2&Ch3)	0... 5 V																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 10 V																						
	+ Serial interface RS232 or optional communication module																							
8 Analog output signals	No 3rd analog output																							
9 for Ch1, Ch2 and Ch3	RH	(0... 100%RH)																						
	T	(range: see below)																						
10	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 Analog output range for temperature	No temperature output	A																						
	-40...+60 °C	(-40...+140 °F)																						
	-40...+80 °C	(-40...+176 °F)																						
Note:	-40...+120 °C	(-40...+248 °F)																						
- Choose option A, if no	-40...+180 °C	(-40...+356 °F)																						
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	:																						
12 Output units	Metric	1																						
	Non-metric	2																						
13 Option for module slot 1	No module	0																						
	Relay output	1																						
	RS-485 serial interface (galvanically isolated)	2																						
	LAN (Ethernet) interface + 2 m cable (RJ45)	4																						
	Data logger module	6																						
14 Option for module slot 2	No module	0																						
	Relay output	1																						
	3rd Analog output	3																						
	Data logger module	6																						
	Choose also analog output signal for Ch3																							
	Not possible if the data logger module has already been chosen in item 13																							
15 Cable bushings	Cable gland M20 x 1.5	A																						
Note: The Universal	Conduit fitting NPT1/2"	B																						
AC power not connected	8-pole connector with 5m cable	C																						
through 8-pole connector!	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																						
		item: 214829																						
		item: 215108																						
		item: 215109																						
		item: 215094																						
17 Humidity sensor type	General purpose and high chemical concentrations	HUMICAP180R																						
	with chemical purge function	HUMICAP180RC																						
	Catalytic humicap sensor with chemical purge	HUMICAP180VC																						
		spare: HUMICAP180R																						
		spare: HUMICAP180RC																						
		spare: HUMICAP180VC																						
18 Sensor protection	PPS plastic grid & stainless steel netting	A																						
	PPS plastic grid	B																						
	Sintered stainless steel filter	C																						
	Stainless steel grid	D																						
		spare: DRW010281SP																						
		spare: DRW010276SP																						
		spare: HM47280SP																						
		spare: HM47453SP																						
19 Installation kit for probe	No kit	A																						
	Mounting flange	G																						
		item: 210696																						
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																							
	Service cable for PC, RS232 (D9 female connector)	B																						
	M170LINK software for Windows® with RS232 service cable	C																						
	Service cable for PC, USB	D																						
	M170LINK software for Windows® with USB service cable	E																						
		item: 19446ZZ																						
		item: 215005																						
		item: 219685																						
		item: 219816																						
22 Calibration	ISO9001 compliant factory calibration	A																						
	Special calibration	X																						
		service item for calibration: RHCALSTD																						
		see separate order form																						
23 Additional maintenance	No maintenance and repair contract	1																						
TOTAL																								
QTY																								
TOTAL VALUE																								

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

Example of order code with typical settings:

HMT330 5 L 0 B 1 0 1 B C A B 1 0 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
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+ax+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/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		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...252 gr/lb) Tw (0...+100 °C) (+32...+212 °F) x (0...500g/kg d.a) (0...3500gr/lb) h (-40...+1500 kJ/kg) (-9.5...+652.6 Btu/lb) ppm (0...5000) pw (0...1000 hPa) (0...14.5psi) pws (0...1000 hPa) (0...14.5psi) dT (-10...+50 °C) (14...+122 °F)																						
9	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) Note: -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 (-78...+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) Data logger module		0 1 2 4 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 NPT 1/2" Note: The Universal AC power not connected through 8-pole connector 8-pole counter connector equipped with screw terminals Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NPT 1/2")																						
16	Transmitter installation	Normal mounting Wall mounting plate item: 214829 Pole installation kit item: 215108 Pole installation kit with rain shield item: 215109 DN 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 Catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC																						
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	No kit Duct installation kit item: 210697 Cable gland AGPRO item: HMP247CG Swagelok NPT 1/2" item: SWG12NPT12 Swagelok ISO 3/8" item: SWG12ISO38 Swagelok ISO 1/2" item: SWG12ISO12																						
20	Operating manual language	No manual English German French Finnish Swedish Spanish Japanese Russian Chinese																						
21	PC Accessories	No Service cable for PC, RS232 (D9 female connector) item: 19446ZZ M70LINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 M70LINK software for Windows® with USB service cable item: 219916																						
22	Calibration	ISO9001 compliant factory calibration service item for calibration: 216989 Special calibration see separate order form																						
23	Additional maintenance	No maintenance and repair contract																						

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

End customer: _____

TOTAL
QTY
TOTAL VALUE

HMT337 Humidity and Temperature Transmitter with warmed probe

For high humidities

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330 7																							
1 Transmitter type	HMT337																								
2 Cable length (dew point probe)	2 m cable 5 m cable 10 m cable 20 m cable	S T U R																							
3 Additional temperature probe	No probe 2 m cable 5 m cable NOTE: select to measure RH and T 10 m cable 20 m cable	0 1 2 3 7																							
4 Parameters	Td+Td+T+pw (dew point probe only) RH+T+Td+Td+T+pw+ppm+pw+pw+h+dT (with additional T probe)	C D																							
5 Display	No display Graphical display with keypad	0 1																							
6 Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC adapter (for LAN/WLAN interface in USA and Canada) Not IP65	0 1 2 3 4 5 6 9																							
7 Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) - Ch1&Ch2 are mandatory - Ch3 is optional + 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) Td (-20...100°C) (range: see below) Td (-20...100°C) (-4...+212 °F) a (0...600g/m3) (0...262 gr/l3) Tw (0...100°C) (+32...+212°F) x (0...500g/kg d.a) (0...350g/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	A B B B C C C D D D E E E E F F F F G G G G H H H H J J J J K K K L L L L M M M M N N N N X X X																							
11 Analog 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) -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 C D E F 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) Data logger module	0 1 2 4 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	Chemical tolerant composite sensor HUMICAP180RC spare: HUMICAP180RC Composite sensor with chemical purge HUMICAP180RC spare: HUMICAP180RC Composite sensor for fuel cell applications HUMICAP180RC spare: HUMICAP180RC Heated catalytic humicap sensor with chemical purge HUMICAP180VC spare: HUMICAP180VC	D E F L																							
18 Sensor protection	PPS plastic grid & stainless steel netting spare: DRW010281SP Sintered stainless steel filter spare: HM4728SP 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+SWG12ISO18 Swagelok ISO 1/2" item: SWG12ISO12 Splash/direct water protector for warmed RH&T and T probes HMT330WPA	A C K L P Q R Y 1																							
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 Service cable for PC, RS232 (D9 female connector) item: 19446ZZ M7/OLINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 21968S M7/OLINK software for Windows® with USB service cable item: 219916	A B C D E																							
22 Calibration	ISO9001 compliant factory calibration service item for calibration: RHCALSTD Special calibration see separate order form	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 *italics* are available at an extra price.

Example of order code with typical settings:

HMT330|7|S|1|D|1|0|1|B|C|A|B|1|0|0|A|0|D|A|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	8	0																				
1	Transmitter type	HMT338	8	0																				
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+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/WLAN interface in USA and Canada) Not IP65	0 1 2 3 4 5 6 9																					
7	Signal output	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) - Ch1&Ch2 are mandatory - Ch3 is optional Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3) + Serial interface RS232 or optional communication module	4... 20 mA 0... 20 mA 0... 1 V 0... 5 V 0... 10 V 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/lft3) (+32...+212 °F) (0...3500gr/lb) (-9.5...+652.6 Btu/lb) (0...5000) (0...14.5psi) (0...14.5psi) (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) -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) LAN (Ethernet) interface + 2 m cable (RJ45) Data logger module	0 1 2 4 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 Catalytic humicap sensor with chemical purge 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	Ball valve set (ISO 1/2") item: BALLVALVE-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 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 Service cable for PC, RS232 (D9 female connector) item: 19446ZZ MI70LINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685 MI70LINK software for Windows® with USB service cable item: 219916	A B C D E																					
22	Calibration	ISO9001 compliant factory calibration service item for calibration: 216989 Special calibration see separate order form	A X																					
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 8 V 0 B 1 0 1 B C A B 1 0 0 A 0 A A B A A 1