

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	A	0																			PRICE	
1	Transmitter type	HMT331	1	A	0																				
2	Wall probe																								
3	No additional temperature probe																								
4	Parameters	RH+T <i>RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT</i>				A	B																		
5	Display	No display <i>Graphic LCD with backlight</i>	0																						
6	Power supply	10...35 VDC, 24 VAC <i>Galvanic isolation for outputs 10...35 VDC, 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adapter (for LAN/WLAN interface in USA and Canada) Not IP65</i>	0																						
7	Signal output	Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 1 V Analog output channel (Ch1&Ch2&Ch3) 0... 5 V Analog output channel (Ch1&Ch2&Ch3) 0... 10 V + Serial interface RS232 or optional communication module	1																						
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)																							
10	SPECIAL Define quantity	Ch1: _____ Optional Ch3: _____																							
10	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 0...+60°C (+32...+140°F) Special : _____																							
12	Output units	Metric Non-metric	1																						
13	Option for module slot 1	No module <i>Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) Not with universal AC-power Data logger module</i>	0																						
14	Option for module slot 2	No module <i>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</i>	0																						
15	Cable bushings	Cable gland M20*1.5 Note! The Universal Conduit fitting NPT1/2" <i>AC power not connected 8-pole connector with 5 m cable through 8-pole connector! 8-pole counter connector equipped with screw terminals</i>																							
16	Transmitter installation	Normal mounting <i>Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit</i>	0																						
17	Humidity sensor type	General purpose HUMICAP180 <i>Chemical purge HUMICAP180C General purpose and high chemical concentrations HUMICAP180R Chemical purge HUMICAP180RC</i>	1																						
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 Japanese Russian																							
21	PC Accessories	No <i>Service cable for PC, RS232 MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB MITOLINK software for Windows® with USB service cable</i>																							
22	Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract <i>ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C 5 years (calibration contract)</i>																							
23	Additional maintenance	No maintenance and repair contract <i>Maintenance and repair contract 3 years Maintenance and repair contract 5 years</i>	1																						
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																									
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 1 A 0 A 1 0 1 B C A B 1 0 0 A 0 1 A A B A A 1

End customer: _____

HMT333 Humidity and Temperature Transmitter
For general use

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330	3	0																					
1 Transmitter type	HMT333																								
2 Cable length	2 m cable, +80°C 5 m cable, +80°C 10 m cable, +80°C 2 m cable, +120°C 5 m cable, +120°C 10 m cable, +120°C	E F G																							
3 No additional temperature probe																									
4 Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	A B																							
5 Display	No display Graphic LCD with backlight	0 1																							
6 Power supply	10...35 VDC, 24 VAC Galvanic isolation for outputs 10...35 VDC, 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN/WLAN interface in USA and Canada)	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 B B C C C D D D E E E F F F G G G H H H J J J K K K L L L M M M N N N X X X																							
SPECIAL Define quantity	Ch1: _____ Ch2: _____ Optional Ch3: _____																								
SPECIAL Define scale	Ch1: _____ Ch2: _____ Optional Ch3: _____ Channel 1 Channel 2 Channel 3, choose A if not needed																								
11 Analog output range for temperature	No temperature output -40...+60°C (-40...+140°F) -40...+80°C (-40...+176°F) -40...+120°C (-40...+248°F) -20...+60°C (-4...+140°F) -20...+80°C (-4...+176°F) -20...+120°C (-4...+248°F) 0...+60°C (+32...+140°F) 0...+100°C (+32...+212°F) 0...+120°C (+32...+248°F) special _____	A B C D E F G H K L M X																							
12 Output units	Metric Non-metric		1 2																						
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module		0 1 2 4 5 6																						
14 Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13		0 1 3 6																						
15 Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" Note! The Universal AC power not connected through 8-pole connector! 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals	A B C D																							
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit		0 1 2 3 4																						
17 Humidity sensor type	General purpose Chemical purge General purpose and high chemical concentrations Chemical purge	HUMICAP180 HUMICAP180C HUMICAP180R HUMICAP180RC	1 4 A C																						
18 Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter																								
19 Installation kit for probe	No kit Duct installation kit Cable gland AGRO																								
20 Operating manual language	No manual English German French Finnish Swedish Japanese Russian																								
21 PC Accessories	No Service cable for PC, RS232 M170LINK software for Windows® with RS232 service cable Service cable for PC, USB M170LINK software for Windows® with USB service cable																								
22 Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)																								
23 Additional Maintenance	No maintenance and repair contract Maintenance and repair contract 3 years Maintenance and repair contract 5 years		1 2 3																						

TOTAL _____
QTY _____
TOTAL VALUE _____

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Example of order code with typical settings:

HMT330 3 E 0 A 1 0 1 B C A F 1 0 0 A 0 1 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	PRICE																					
Vaisala HUMICAP® Humidity and Temperature Transmitter																								HMT330	4	0																				
1 Transmitter type	HMT334																																													
2 Cable length	2 m cable 5 m cable 10 m cable																																													
3 No additional temperature probe																																														
4 Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT																																													
5 Display	No display Graphic LCD with backlight																																													
6 Power supply	10...35 VDC, 24 VAC Galvanic isolation for outputs 10...35 VDC, 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adapter (for LAN/WLAN interface in USA and Canada) Not IP65																																													
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																																													
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) Ch1: _____ Ch2: _____ Optional Ch3: _____ Ch1: _____ Ch2: _____ Optional Ch3: _____ Channel 1 Channel 2 Channel 3, choose A, if not needed																																													
11 Analog output range for temperature	No temperature output -40...+60°C (-40...+140°F) -40...+80°C (-40...+176°F) -40...+120°C (-40...+248°F) -40...+180°C (-40...+356°F) -20...+60°C (-4...+140°F) -20...+80°C (-4...+176°F) -20...+120°C (-4...+248°F) -20...+180°C (-4...+356°F) 0...+60°C (+32...+140°F) 0...+100°C (+32...+212°F) 0...+120°C (+32...248°F) 0...+180°C (+32...356°F) -60...60 °C (-76...+140°F) Special _____																																													
12 Output units	Metric Non-metric																																													
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module																																													
14 Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13																																													
15 Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" Note! The Universal AC power not connected through 8-pole connector 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals																																													
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																																													
17 Humidity sensor type	General purpose Chemical purge General purpose and high chemical concentrations Chemical purge																																													
18 Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid																																													
19 Installation kit for probe	Fitting body M22 x 1.5 Fitting body NPT 1/2"																																													
20 Operating manual language	No manual English German French Finnish Swedish Japanese Russian																																													
21 PC Accessories	No Service cable for PC, RS232 M170LINK software for Windows® with RS232 service cable Service cable for PC, USB M170LINK software for Windows® with USB service cable																																													
22 Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)																																													
23 Additional Maintenance	No maintenance and repair contract Maintenance and repair contract 3 years Maintenance and repair contract 5 years																																													
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																																														
																							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 1 A E B A A 1

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	PRICE
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																							
3 No additional temperature probe		0																							
4 Parameters	RH+T	A																							
	<i>RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT</i>	B																							
5 Display	No display	0																							
	Graphic LCD with backlight	1																							
6 Power supply	10...35 VDC, 24 VAC	0																							
	Galvanic isolation for outputs 10...35 VDC, 24 VAC	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																							
	Not IP65	6																							
7 Signal output	Analog output channel (Ch1&Ch2&Ch3)	4... 20 mA	1																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 20 mA	2																						
	Analog output channel (Ch1&Ch2&Ch3)	0... 1 V	3																						
	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																						
10	Td (-20...+100°C)	(-4...+212 °F)	D																						
	Tdf (-20...+100°C)	(-4...+212 °F)	E																						
	a (0...600g/m3)	(0...262 gr/ft3)	F																						
	Tw (0...100°C)	(+32...+212°F)	G																						
	x (0...500g/kg d.a)	(0...3500gr/lb)	H																						
	h (-40...+1500 kJ/kg)	(-9.5...+652.6 Btu/lb)	J																						
	ppm (0...5000)	(0...5000)	K																						
	pw (0...1000 hPa)	(0...14.5psi)	L																						
	pws (0...1000 hPa)	(0...14.5psi)	M																						
	dT (-10...+50 °C)	(14...+122 °F)	N																						
	Ch1:	Ch2:	X																						
	Optional Ch3:	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																						
	-40...+80°C	(-40...+176°F)	C																						
	-40...+120°C	(-40...+248°F)	D																						
	-40...+180°C	(-40...+356°F)	E																						
	-20...+60°C	(-4...+140°F)	F																						
	-20...+80°C	(-4...+176°F)	G																						
	-20...+120°C	(-4...+248°F)	H																						
	-20...+180°C	(-4...+356°F)	J																						
	0...+60°C	(+32...+140°F)	K																						
	0...+100°C	(+32...+212°F)	L																						
	0...+120°C	(+32...248°F)	M																						
	0...+180°C	(+32...356°F)	N																						
	-60...60 °C	(-76...+140°F)	P																						
	Special	:	X																						
12 Output units	Metric	1																							
	Non-metric	2																							
13 Option for module slot 1	No module	0																							
	Relay output	1																							
	RS-485 serial interface (galvanically isolated)	2																							
	LAN (Ethernet) interface + 2 m cable (RJ45)	4																							
	WLAN (Wireless Ethernet) interface + antenna	5																							
	Data logger module	6																							
14 Option for module slot 2	No module	0																							
	Relay output	1																							
	3rd Analog output	Choose also analog output signal for Ch3	3																						
	Data logger module	Not possible if the data logger module has already been chosen in item 13	6																						
15 Cable bushings	Cable gland M20*1.5	A																							
	Note! The Universal	B																							
	AC power not connected through 8-pole connector	C																							
	8-pole connector with 5m cable	D																							
	8-pole counter connector equipped with screw terminals																								
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	HUMICAP180	1																						
	Chemical purge	HUMICAP180C	4																						
	General purpose and high chemical concentrations	HUMICAP180R	A																						
	Chemical purge	HUMICAP180RC	C																						
18 Sensor protection in probe	PPS plastic grid & stainless steel netting	A																							
	PPS plastic grid	B																							
	Sintered stainless steel filter	C																							
	Stainless steel grid	D																							
19 Installation kit for probe	No kit	A																							
	Mounting flange	G																							
20 Operating manual language	No manual	A																							
	English	B																							
	German	C																							
	French	D																							
	Finnish	E																							
	Swedish	F																							
	Japanese	J																							
	Russian	K																							
21 PC Accessories	No	A																							
	Service cable for PC, RS232	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 / Calibration contract	ISO9001 compliant factory calibration / No calibration contract	A																							
	ISO 9001 compliant calibration 3 years	B																							
	ISO 9001 compliant calibration 5 years	C																							
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)	D																							
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)	E																							
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)	F																							
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)	G																							
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)	H																							
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)	J																							
23 Additional Maintenance	No maintenance and repair contract	1																							
	Maintenance and repair contract 3 years	2																							
	Maintenance and repair contract 5 years	3																							
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																									
TOTAL																									
QTY																									
TOTAL VALUE																									

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

Example of order code with typical settings:

HMT330 5 L 0 A 1 0 1 B C A B 1 0 0 A 0 1 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	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330	7	0																					
1 Transmitter type	HMT337	7																							
2 Cable length	2 m cable 5 m cable 10 m cable	S T U																							
3 Additional temperature probe	No probe	0																							
4 Parameters	RH+T RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	A B																							
5 Display	No display Graphic LCD with backlight	0 1																							
6 Power supply	10...35 VDC, 24 VAC Galvanic isolation for outputs 10...35 VDC, 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN/WLAN interface in USA and Canada) 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) Ch1: _____ Ch2: _____ Optional Ch3: _____ Channel 1 _____ Channel 2 _____ Channel 3, choose A, if not needed	B B B C C C D D D E E E F F F F G G G H H H J J J K K K L L L M M M N N N X X X																							
10 SPECIAL Define quantity Define scale																									
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 C D E F G H J K L M N P X																							
12 Output units	Metric Non-metric	1 2																							
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module	0 1 2 4 5 6																							
14 Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13	0 1 3 6																							
15 Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals	A B C D																							
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit	0 1 2 3 4																							
17 Humidity sensor type	General purpose HUMICAP180 Chemical purge HUMICAP180C General purpose and high chemical concentrations HUMICAP180R Chemical purge HUMICAP180RC	1 4 A C																							
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	No kit Duct installation kit Cable gland AGRO Swagelok NPT 1/2" Swagelok ISO 3/8" Swagelok ISO 1/2"	A C D K L Y																							
20 Operating manual language	No manual English German French Finnish Swedish Japanese Russian	A B C D E F J K																							
21 PC Accessories	No Service cable for PC, RS232 MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB MITOLINK software for Windows® with USB service cable	A B C D E																							
22 Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)	A B C D E F G H J																							
23 Additional Maintenance	No maintenance and repair contract Maintenance and repair contract 3 years Maintenance and repair contract 5 years	1 2 3																							
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																									
TOTAL																									
QTY																									
TOTAL VALUE																									

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

Example of order code with typical settings:

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

End customer:

HMT337 Humidity and Temperature Transmitter with warmed probe
 For high humidities

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330																							
1	Transmitter type	HMT337																							
2	Cable length (dew point probe)	2 m cable 5 m cable 10 m cable																							S T U
3	Additional temperature probe	No probe 2 m cable 5 m cable 10 m cable																							0 1 2 3
4	Parameters	Td+Tdf+ppw (dew point probe only) RH+T+Td+Tdf+xx+T+ppm+pw+pps+H+dT (with additional T probe)																							C D
5	Display	No display Graphic LCD with backlight																							0 1
6	Power supply	10...35 VDC, 24 VAC Galvanic isolation for outputs 10...35 VDC, 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN/WLAN interface in USA and Canada) Not IP65																							0 1 2 3 4 5 6 9
7	Signal output	Analog output channel (Ch1&Ch2&Ch3) 4... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 20 mA Analog output channel (Ch1&Ch2&Ch3) 0... 1 V Analog output channel (Ch1&Ch2&Ch3) 0... 5 V Analog output channel (Ch1&Ch2&Ch3) 0... 10 V + Serial interface RS232 or optional communication module																							1 2 3 4 5
8	Analog output signals	No 3rd analog output																							A
9	for Ch1, Ch2 and Ch3	RH (0... 100%RH) T (range: see below)																							B C
10	(ref. to parameters selection above)	Td (-20...+100°C) (-4...+212°F) Tdf (-20...+100°C) (-4...+212°F) a (0...600g/m ³) (0...262 gr/l ³) 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) pps (0...1000 hPa) (0...14.5psi) dT (-10...+50°C) (14...+122°F)																							D E F G H J K L M N X
SPECIAL Define quantity Define scale		Ch1: _____ Ch2: _____ Optional Ch3: _____ Channel 1 Channel 2 Channel 3, choose A, if not needed																							X X X
11	Analog output range for temperature	No temperature output -40...+60°C (-40...+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...80 °C (-76...+140°F) Special : _____																							A B C D E F G H J K L M N P X
12	Output units	Metric Non-metric																							1 2
13	Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module																							0 1 2 4 5 6
14	Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13																							0 1 3 6
15	Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" Note: The Universal AC power not connected through 8-pole connector! 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals																							A B C D
16	Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																							0 1 2 3 4
17	Humidity sensor type	Composite sensor HUMICAP180C Composite sensor with chemical purge HUMICAP180C Composite sensor HUMICAP180RC Composite sensor with chemical purge HUMICAP180RC Composite sensor for fuel cell applications HUMICAP180RC																							5 6 D E F
18	Sensor protection	PPS plastic grid & stainless steel netting Sintered stainless steel filter Stainless steel grid Membrane SST filter for fuel cell applications																							A C D E F
19	Installation kit for probe	No kit Duct installation kit Swagelok NPT 1/2" Swagelok ISO 3/8" Duct installation kit (RH + T probes) Swagelok NPT 1/2" + Swagelok NPT 1/8" (RH+T) Swagelok ISO 3/8" + Swagelok ISO 1/8" (RH+T) Swagelok ISO 1/2"																							A C K L P Q R Y
20	Operating manual language	No manual English German French Finnish Swedish Japanese Russian																							A B C D E F J K
21	PC Accessories	No Service cable for PC, RS232 M170LINK software for Windows® with RS232 service cable Service cable for PC, USB M170LINK software for Windows® with USB service cable																							A B C D E
22	Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)																							A B C D F G H J
23	Additional Maintenance	No maintenance and repair contract Maintenance and repair contract 3 years Maintenance and repair contract 5 years																							1 2 3
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																									
TOTAL																									
QTY																									
TOTAL VALUE																									

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

Example of order code with typical settings:

HMT330 | **7** | **S** | **1** | **D** | **1** | **0** | **1** | **B** | **C** | **A** | **B** | **1** | **0** | **0** | **A** | **0** | **5** | **A** | **B** | **A** | **A** | **1**

End customer: _____



Order form
Purchaser

Valid from September 2008
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	PRICE																												
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT330																							8	0																											
1 Transmitter type	HMT338																								8																												
2 Cable length	2 m cable for 232 mm probe 5 m cable for 232 mm probe 10 m cable for 232 mm probe 2 m cable for 454 mm probe 5 m cable for 454 mm probe 10 m cable for 454 mm probe																								V	W	X	1	2	3																							
3 No additional temperature probe																									0																												
4 Parameters	RH+T RH+T+Td+Tdf+a+xx+Tw+ppm+pw+pws+h+dT																								A	B																											
5 Display	No display Graphic LCD with backlight																								0	1																											
6 Power supply	10...35 VDC , 24 VAC Galvanic isolation for outputs 10...35 VDC , 24 VAC Universal AC-power (100...240 VAC) Universal AC-power (100...240 VAC) + US power cord Universal AC-power (100...240 VAC) + EUR power cord Universal AC-power (100...240 VAC) + UK power cord Universal AC-power (100...240 VAC) + AUS power cord External US AC-adaptor (for LAN/WLAN interface in USA and Canada) 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																								
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)																								B	B	C	C	D	D	E	E	F	F	G	G	H	H	J	J	K	K	L	L	M	M	N	N	X	X	X		
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) 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	D	E	F	G	H	J	K	L	M	N	P	X														
12 Output units	Metric Non-metric																								1	2																											
13 Option for module slot 1	No module Relay output RS-485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) WLAN (Wireless Ethernet) interface + antenna Data logger module																								0	1	2	4	5	6																							
14 Option for module slot 2	No module Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logger module Not possible if the data logger module has already been chosen in item 13																								0	1	3	6																									
15 Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector equipped with screw terminals																								A	B	C	D																									
16 Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with rain shield DIN rail kit																								0	1	2	3	4																								
17 Humidity sensor type	General purpose HUMICAP180 Chemical purge HUMICAP180C General purpose and high chemical concentrations HUMICAP180R Chemical purge HUMICAP180RC																								1	4	A	C																									
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 Japanese Russian																								A	B	C	D	E	F	J	K																					
21 PC Accessories	No Service cable for PC, RS232 MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB MITOLINK software for Windows® with USB service cable																								A	B	C	D	E																								
22 Calibration / Calibration contract	ISO9001 compliant factory calibration / No calibration contract ISO 9001 compliant calibration 3 years ISO 9001 compliant calibration 5 years ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration) ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract) ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)																								A	B	C	D	E	F	G	H	J																				
23 Additional Maintenance	No maintenance and repair contract Maintenance and repair contract 3 years Maintenance and repair contract 5 years																								1	2	3																										
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period																																																					
																							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|A|1|0|1|B|C|A|B|1|0|0|A|0|1|A|A|B|A|A|1

End customer: _____