VAISALA

Order form
Purchaser _____

Valid from March 2017
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**	**1**		**0**																**A**				**1**	PRICE
1 Transmitter type	**HMT331**			**1**																							
2 Wall probe	**fixed**				**A**																						
	with short cable	*Probe holder plate recommended in selection 16*			**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**																			
	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-adapter (for LAN/WLAN interface in USA and Canada)		*Not IP65*						*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**	**B**	*B*														
10	**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:_____**																									
			Channel 1																								
			Channel 2																								
			Channel 3, choose A if not needed																								
11 Analog output range	**No temperature output**													**A**													
for temperature	**-40...+60°C**	**(-40...+140°F)**												**B**													
Note:	**-20...+60°C**	**(-4...+140°F)**												**F**													
- Choose option A, if no	**0...+60°C**	**(+32...+140°F)**												**K**													
T output is desired	**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)		*Please see note *) below*													*4*											
	WLAN (Wireless Ethernet) interface + antenna		*With short cable probe only*													*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 x 1.5**																	**A**									
Note: The Universal	**Conduit fitting NPT1/2"**																	**B**									
AC power not connected	*8-pole connector with 5 m 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*								
	Probe holder plate	*Recommended with short cable probe*																	*5*								
17 Humidity sensor type	**General purpose and high chemical concentrations**		**HUMICAP180R**																	**A**							
	with chemical purge function		*HUMICAP180RC*																	*C*							
	Catalytic humicap sensor with chemical purge		*HUMICAP180VC*																	*K*							
18 Sensor protection	**PPS plastic grid & stainless steel netting**																				**A**						
	PPS plastic grid																				**B**						
	Sintered stainless steel filter																				**C**						
19 No probe installation kit																						**A**					
20 Operating manual	**No manual**																						**A**				
language	**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*			
	MI70LINK software for Windows® with RS232 service cable		*item: 215005*																					*C*			
	Service cable for PC, USB		*item: 219685*																					*D*			
	MI70LINK 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	

*) 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: _____

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form
Purchaser ____________________

Valid from March 2017
Order no. ____________________

HMT333 Humidity and Temperature Transmitter

For general use

Item	Option	Details	Code
Vaisala HUMICAP® Humidity and Temperature Transmitter	**HMT330**	Positions 1–23	3 _ 0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ 1
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		*Q*
	2 m cable, +120°C		*4*
	5 m cable, +120°C		*5*
	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-adapter (for LAN/WLAN interface in USA and Canada)	*Not IP65*	*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		

Item	Option	Details	Channel 1 (8)	Channel 2 (9)	Channel 3 (10), choose A if not needed
8 **Analog output signals** 9 **for Ch1 , Ch2 and Ch3** 10	**No 3rd analog output**				**A**
	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:______________**			

Item	Option	Details	Code
11 **Analog output range for temperature** - Choose option A, if no T output is desired	**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**
	-20...+60°C	**(-4...+140°F)**	**F**
	-20...+80°C	**(-4...+176°F)**	**G**
	-20...+120°C	**(-4...+248°F)**	**H**
	0...+60°C	**(+32...+140°F)**	**K**
	0...+100°C	**(+32...+212°F)**	**L**
	0...+120°C	**(+32...248°F)**	**M**
	special	**:______________________**	**X**
12 **Output units**	**Metric**		**1**
	Non-metric		**2**
13 **Option for module slot 1**	**No module**		**0**
	Relay output		*1*
	RS-485 serial interface (galvanically isolated)		*2*
	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** **Note:** The Universal AC power not connected through 8-pole connector!	**Cable gland M20 x 1.5**		**A**
	Conduit fitting NPT1/2"		**B**
	8-pole connector with 5m 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*
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**	*spare: DRW010281SP*	**A**
	PPS plastic grid	*spare: DRW010276SP*	**B**
	Sintered stainless steel filter	*spare: HM47280SP*	**C**
19 **Installation kit for probe**	**No kit**		**A**
	Duct installation kit	*item: 210697*	*C*
	Cable gland AGRO *M20 x 1.5 with split seal*	*item: HMP247CG*	*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**
	Service cable for PC, RS232 (D9 female connector)	*item: 19446ZZ*	*B*
	MI70LINK software for Windows® with RS232 service cable	*item: 215005*	*C*
	Service cable for PC, USB	*item: 219685*	*D*
	MI70LINK 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**

PRICE: ______
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	0	A	A	A	B	A	A	1

End customer: ______________________________

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form
Purchaser _____

Valid from March 2017
Order no. _____

HMT334 Humidity and Temperature Transmitter

For pressurized processes

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Vaisala HUMICAP® Humidity and Temperature Transmitter		**HMT330**	**4**		**0**																				**1**	PRICE
1 **Transmitter type**	**HMT334**		**4**																							
2 **Cable length**	**2 m cable**			**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-adapter (for LAN/WLAN interface in USA and Canada)	*Not IP65*						*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**	**B**	*B*														
10	**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:_____**																								
		Channel 1																								
		Channel 2																								
		Channel 3, choose A, if not needed																								
11 **Analog output range**	**No temperature output**												**A**													
for temperature	**-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	**-40...+180 °C**	**(-40...+356 °F)**											**E**													
T output is desired	**-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*											
	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	**Conduit fitting NPT1/2"**																**B**									
AC power not connected	*8-pole connector with 5m cable*	*spare cable: 212142*															*C*									
through 8-pole connector!	*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*								
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**	*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**	**Fitting body M22 x 1,5**																				**E**					
for probe	**Fitting body NPT 1/2"**																				**F**					
20 **Operating manual**	**No manual**																					**A**				
language	**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*			
	MI70LINK software for Windows® with RS232 service cable	*item: 215005*																					*C*			
	Service cable for PC, USB	*item: 219685*																					*D*			
	MI70LINK 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	A	E	B	A	A	1

End customer: _____

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form
Purchaser _____

Valid from March 2017
Order no. _____

HMT335 Humidity and Temperature Transmitter

For high temperatures

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**5**		**0**																				**1**	PRICE
1 Transmitter type	**HMT335**			**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-adapter (for LAN/WLAN interface in USA and Canada)		*Not IP65*						*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**	**B**	*B*														
10	**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:_____**																								
			Channel 1																								
			Channel 2																								
			Channel 3, choose A, if not needed																								
11 Analog output range	**No temperature output**													**A**													
for temperature	**-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	**-40...+180 °C**	**(-40...+356 °F)**												**E**													
T output is desired	**-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*											
	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	**Conduit fitting NPT1/2"**																	**B**									
AC power not connected	*8-pole connector with 5m cable*		*spare cable: 212142*															*C*									
through 8-pole connector!	*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*								
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**		*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	**No kit**																					**A**					
for probe	*Mounting flange*		*item: 210696*																			*G*					
20 Operating manual	**No manual**																						**A**				
language	**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*			
	MI70LINK software for Windows® with RS232 service cable		*item: 215005*																					*C*			
	Service cable for PC, USB		*item: 219685*																					*D*			
	MI70LINK 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	**5**	**L**	**0**	**B**	**1**	**0**	**1**	**B**	**C**	**A**	**B**	**1**	**0**	**0**	**A**	**0**	**A**	**A**	**A**	**B**	**A**	**A**	**1**

End customer: _____

上海博众测量技术有限公司

Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form
Purchaser ______________________

Valid from March 2017
Order no. ______________________

HMT337 Humidity and Temperature Transmitter

For high humidities

Vaisala HUMICAP® Humidity and Temperature Transmitter — **HMT330** 7 | | 0 | … | 1 | PRICE

No.	Item	Selection	Info	Code
1	**Transmitter type**	**HMT337**		**7**
2	**Cable length**	**2 m cable**		**S**
		5 m cable		*T*
		10 m cable		*U*
		20 m cable		*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**		**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-adapter (for LAN/WLAN interface in USA and Canada)	*Not IP65*	*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		

No.	Item	Selection	Range	Ch1 (8)	Ch2 (9)	Ch3 (10)
8	**Analog output signals**	**No 3rd analog output**				**A**
9	**for Ch1 , Ch2 and Ch3**	**RH**	**(0... 100%RH)**	**B**	**B**	*B*
10		**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:______________**				
				Channel 1	**Channel 2**	*Channel 3, choose A, if not needed*

No.	Item	Selection	Info	Code
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	**-40...+180°C**	**(-40...+356°F)**	**E**
	T output is desired	**-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*
		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	**Conduit fitting NPT1/2"**		**B**
	AC power not connected	*8-pole connector with 5m cable*	*spare cable: 212142*	*C*
	through 8-pole connector!	*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*
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**	*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**	**No kit**		**A**
		Duct installation kit	*item: 210697*	*C*
		Cable gland AGRO	*item: HMP247CG*	*D*
		Swagelok NPT 1/2"	*item: SWG12NPT12*	*K*
		Swagelok ISO 3/8"	*item: SWG12ISO38*	*L*
		Swagelok ISO 1/2"	*item: SWG12ISO12*	*Y*
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*
		MI70LINK software for Windows® with RS232 service cable	*item: 215005*	*C*
		Service cable for PC, USB	*item: 219685*	*D*
		MI70LINK software for Windows® with USB service cable	*item: 219916*	*E*
22	**Calibration**	**ISO9001 compliant factory calibration**	*service item for calibration: 216989*	**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	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: ____

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form
Purchaser ______________________

Valid from March 2017
Order no. ______________________

HMT337 Humidity and Temperature Transmitter with warmed probe

For high humidities

Vaisala HUMICAP® Humidity and Temperature Transmitter — **HMT330** | 7 | (positions 1–23) | **1** | PRICE

No.	Item	Selection	Details	Code
1	**Transmitter type**	**HMT337**		**7**
2	**Cable length (dew point probe)**	**2 m cable**		**S**
		5 m cable		*T*
		10 m cable		*U*
		20 m cable		*R*
3	**Additional temperature probe** (NOTE: select to measure RH and T)	**No probe**		**0**
		2 m cable		*1*
		5 m cable		*2*
		10 m cable		*3*
		20 m cable		*7*
4	**Parameters**	**Td+Tdf+x+pw**	(dew point probe only)	**C**
		RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	(with additional T probe)	**D**
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-adapter (for LAN/WLAN interface in USA and Canada)	*Not IP65*	*9*
7	**Signal output** (- Ch1&Ch2 are mandatory; - Ch3 is optional)	**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		

No.	Item	Selection	Range	Channel 1 (8)	Channel 2 (9)	Channel 3 (10)
8, 9, 10	**Analog output signals for Ch1 , Ch2 and Ch3** (ref. to parameters selection above)	**No 3rd analog output**				**A**
		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:______________**			
				Channel 1	**Channel 2**	*Channel 3, choose A, if not needed*

No.	Item	Selection	Details	Code
11	**Analog output range for temperature** (NOTE: - Choose option A, if no T output is desired)	**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*
		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** (**Note:** The Universal AC power not connected through 8-pole connector!)	**Cable gland M20 x 1.5**		**A**
		Conduit fitting NPT1/2"		**B**
		8-pole connector with 5m 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*
17	**Humidity sensor type**	**Chemical tolerant composite sensor** — **HUMICAP180RC**	*spare: HUMICAP180RC*	**D**
		Composite sensor with chemical purge — **HUMICAP180RC**	*spare: HUMICAP180RC*	**E**
		Composite sensor for fuel cell applications — **HUMICAP180RC**	*spare: HUMICAP180RC*	**F**
		Heated catalytic humicap sensor with chemical purge — *HUMICAP180VC*	*spare: HUMICAP180VC*	*L*
18	**Sensor protection**	**PPS plastic grid & stainless steel netting**	*spare: DRW010281SP*	**A**
		Sintered stainless steel filter	*spare: HM47280SP*	**C**
		Stainless steel grid	*spare: HM47453SP*	**D**
		Membrane SST filter for fuel cell applications	*spare: 214848SP*	**F**
19	**Installation kit for probe**	**No kit**		**A**
		Duct installation kit (for RH probe)	*item: 210697*	*C*
		Swagelok NPT 1/2"	*item: SWG12NPT12*	*K*
		Swagelok ISO 3/8"	*item: SWG12ISO38*	*L*
		Duct installation kit (RH + T probes)	*item: 210697+215003*	*P*
		Swagelok NPT 1/2" + Swagelok NPT 1/8" (RH+T)	*item: SWG12NPT12+SWGNPT18*	*Q*
		Swagelok ISO 3/8" + Swagelok ISO 1/8" (RH+T)	*item: SWG12ISO38+SWG6ISO18*	*R*
		Swagelok ISO 1/2"	*item: SWG12ISO12*	*Y*
		Splash/direct water protector for warmed RH&T and T probes	*HMT330WPA*	*1*
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*
		MI70LINK software for Windows® with RS232 service cable	*item: 215005*	*C*
		Service cable for PC, USB	*item: 219685*	*D*
		MI70LINK 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	7	S	1	D	1	0	1	B	C	A	B	1	0	0	A	0	D	A	A	B	A	A	1

End customer: ____

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167

VAISALA

Order form | **Valid from March 2017**
Purchaser ____________________ | Order no. ____________________

HMT338 Humidity and Temperature Transmitter

For pressurized pipelines

No.	Item	Selection	Detail	Note / spare	Code
	Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	8 _ 0 … 1 (columns 1–23), PRICE
1	**Transmitter type**	**HMT338**			**8**
2	**Cable length**	**2 m cable for 232 mm probe**			**V**
		5 m cable for 232 mm probe			*W*
		10 m cable for 232 mm probe			*X*
		2 m cable for 454 mm probe			*1*
		5 m cable for 454 mm probe			*2*
		10 m cable for 454 mm probe			*3*
		20 m cable for 454 mm probe			*9*
3	**No additional temperature probe**				**0**
4	**Parameters**	***RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT***			**B**
5	**Display**	**No display**			**0**
		Graphical display with keypad			*1*
6	**Power supply**	**10...35 VDC , 24 VAC**			**0**
		10..35 VDC, 24 VAC with galvanic isolation			*1*
		Universal AC-power (100...240 VAC)			*2*
		Universal AC-power (100...240 VAC) + US power cord			*3*
		Universal AC-power (100...240 VAC) + EUR power cord			*4*
		Universal AC-power (100...240 VAC) + UK power cord			*5*
		Universal AC-power (100...240 VAC) + AUS power cord			*6*
		External US AC-adapter (for LAN/WLAN interface in USA and Canada)		*Not IP65*	*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** / **B** / *B*
10		**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:_____________**	
				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	**-40...+180°C**	**(-40...+356°F)**		**E**
	T output is desired	**-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*
		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	**Conduit fitting NPT1/2"**			**B**
	AC power not connected	*8-pole connector with 5m cable*		*spare cable: 212142*	*C*
	through 8-pole connector!	*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*
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**		*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**	*Ball valve set (ISO 1/2")*		*item: BALLVALVE-1*	*M*
		Pressure fitting NPT 1/2"			**N**
		Pressure fitting ISO 1/2"			**V**
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*
		MI70LINK software for Windows® with RS232 service cable		*item: 215005*	*C*
		Service cable for PC, USB		*item: 219685*	*D*
		MI70LINK software for Windows® with USB service cable		*item: 219916*	*E*
22	**Calibration**	**ISO9001 compliant factory calibration**		*service item for calibration: 216989*	**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	8	V	0	B	1	0	1	B	C	A	B	1	0	0	A	0	A	A	A	B	A	A	1

End customer: ____

上海博众测量技术有限公司
Bodhi (Shanghai) measurement technology Co.,Ltd.
NO.32,ShuPing Road,JiadingDistrict,ZIP201808,
Shanghai R.P.China
TEL: 0086 21 6630 8161/62/63
FAX: 0086 21 6630 8167