HMT331 Humidity and Temperature Transmitter

For wall mounting

Vaicala HUMICAD® Humidity a	nd Tompovatura Transmitter		4 5 6 7 8 9 10 11 12 13	
Vaisala HUMICAP® Humidity a 1 Transmitter type	HMT331	HMT330 1 0	+ 	A 1 PRICE
2 Wall probe	fixed	Α		
-	with short cable Probe holder plate recommended in			
3 No additional temperature p		0	_	
4 Parameters 5 Display	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT No display		ᄬᇬᆝᆝᆝᆝᆝ	
о Бізрішу	Graphical display with keypad		1	
6 Power supply	1035 VDC , 24 VAC		<u> </u>	
	1035 VDC, 24 VAC with galvanic isolation		1	
	Universal AC-power (100240 VAC)		2	
	Universal AC-power (100240 VAC) + US power cord Universal AC-power (100240 VAC) + EUR power cord		3 4	
	Universal AC-power (100240 VAC) + LEGIT power cord		5	
	Universal AC-power (100240 VAC) + AUS power cord		6	
	External US AC-adapter (for LAN/WLAN interface in USA a			
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 - Ch3 is optional	Analog output channel (Ch1&Ch2&Ch3)	0 1 V	3	
- Cits is optional	Analog output channel (Ch1&Ch2&Ch3) Analog output channel (Ch1&Ch2&Ch3)	0 5 V 0 10 V	4	
	+ Serial interface RS232 or optional communication mod		11111	
8 Analog output signals	No 3rd analog output			
9 for Ch1, Ch2 and Ch3	RH (0100%RH)		B B B	
10	T (range: see below)		c c c	
	Td (-20100 °C) (-4+212 °F)		D D D E E E	
	Tdf (-20100 °C) (-4+212 °F) a (0600g/m3) (0262 gr/ft3)		E E E F F F F	
	Tw (0100 °C) (+32+212 °F)		$\mathbf{G} \mid \mathbf{G} \mid G$	
	x (0500g/kg d.a) (03500gr/lb)		H H H	
	h (-401500 kJ/kg) (-9.5+652.6 Btu/lb)		J J J	
	ppm (05000) (05000)		K K <i>K</i>	
	pw (01000 hPa) (014.5psi)			
	pws (01000 hPa) (014.5psi) dT (-10+50 °C) (14+122 °F)		M M M N N N	
SPECIAL Define quantity	Ch1: Ch2: Optional	Ch3·	x x x	
Define scale	Ch1: Ch2: Optional		~[^[^[
		Channel 1		
		Channel 2		
		Channel 3, choose A if no		
11 Analog output range	No temperature output -40+60 °C (-40+140 °F)		A B	
for temperature Note:	-40+60 °C (-40+140 °F) -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 RS-485 serial interface (galvanically isolated)		2	
	LAN (Ethernet) interface + 2 m cable (RJ45)	Please see note *) below		
	WLAN (Wireless Ethernet) interface + antenna	With short cable probe or		
	Data logger module		, 6	
14 Option for module slot 2	No module			0
	Relay output	f Oh0		1
	3rd Analog output Choose also analog output signal Data logger module Not possible if the data logger mod		con in itom 12	3 6
15 Cable bushings	Cable gland M20 x 1.5	Jule has already been chos	sen in item 13	" ⊿
Note: The Universal	Conduit fitting NPT1/2"			в I I I I I I I I I I
AC power not connected	8-pole connector with 5 m cable		spare cable: 212142	c
through 8-pole connector!	8-pole counter connector equipped with screw terminals		spare connector: 212416	D
40 T	Bushing Set (Cable gland M20 x 1.5 and Conduit fitting NP)	T1/2")		<u> </u>
16 Transmitter installation	Normal mounting Wall mounting plate		item: 214829	0
	Pole installation kit		item: 215108	2
	Pole installation kit with rain shield		item: 215109	3
	DIN rail kit		item: 215094	4
	Probe holder plate Recommended with short cable pr		LILINGA DA DA DAD	5
17 Humidity sensor type	General purpose and high chemical concentrations with chemical purge function	HUMICAP180R HUMICAP180RC	spare: HUMICAP180R spare: HUMICAP180RC	A C
	Catalytic humicap sensor with chemical purge	HUMICAP180VC	spare: HUMICAP180VC	κ
18 Sensor protection	PPS plastic grid & stainless steel netting		spare: DRW010281SP	A
	PPS plastic grid		spare: DRW010276SP	В
	Sintered stainless steel filter		spare: HM47280SP	<u>cl</u>
19 No probe installation kit	No manual			A
20 Operating manual language	No manual English			â
language	German			č III
	French			D
	Finnish			E
	Swedish			F
ndf upprin quid	Spanish			G
pdf user's guides avalable at:	Japanese Russian			J
www.vaisala.com/hmt330	Russian Chinese			к V
21 PC Accessories	No			
	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
22 Calibratian	MI70LINK software for Windows® with USB service cable		item: 219916	HCALSTD.
22 Calibration	ISO9001 compliant factory calibration Special calibration		service item for calibration: Ri see separate order form	HCALSTD A X
23 Additional maintenance	No maintenance and repair contract		see separate UIUEI IUIIII	
				TOTAL

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 | O | B | 1 | O | 1 | B | C | A | B | 1 | O | O | A | 1 | A | A | B | A | A | 1

End customer:

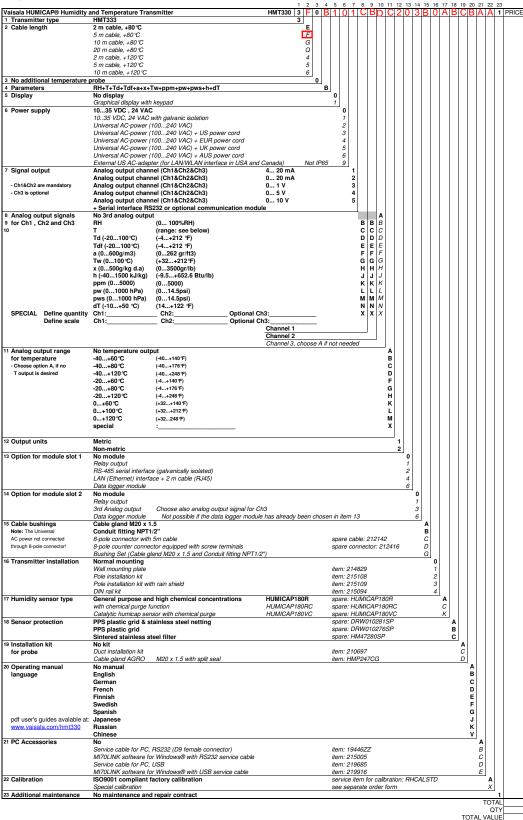
QTY TOTAL VALUE

^{*)} Note! Simultaneous installation of LAN and Universal AC-power is possible only with a short cable probe.



HMT333 Humidity and Temperature Transmitter

For general use



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

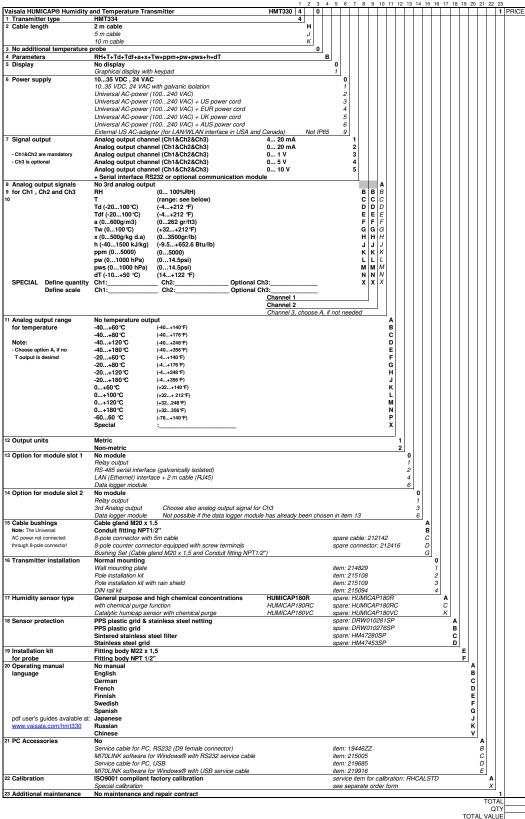
Example of order code with typical settings:

HMT330 3 E 0 B 1 0 1 B C A F 1 0 0 A 0 A A A B A A 1

nd customer:

HMT334 Humidity and Temperature Transmitter

For pressurized processes



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 |

HMT335 Humidity and Temperature Transmitter For high temperatures

2 Cable length 2 n	MT335 m cable m cable m cable m cable m cable m cable in m cable e	w+ppm+pw+pws+h+dT eypad th galvanic isolation 10240 VAC) 10240 VAC) + US power cord 10240 VAC) + UIF power cord 10240 VAC) + UIF power cord 10240 VAC) + AUS power cord 10240 VAC) + AUS power cord 11 (Ch1ACh26Ch3) 11 (Ch1ACh26Ch3)		B 0 1 0 1 2 3 4 4 5								1 PRK
2 Cable length 2 n 1	m cable e h+T+Td+Td+a+X+Tv d display raphical display with k35 VDC, 24 VAC with wiversal AC-power (10 wiversal AC-power (10 wiversal AC-power (10 wiversal AC-power (10 miversal AC-power (10	eypad th galvanic isolation 00240 VAC) + US power cord 00240 VAC) + EUR power cord 00240 VAC) + UK power cord 00240 VAC) + UK power cord 00240 VAC) + AUS power cord (1 (Chachachachachachachachachachachachachach	L M N P	0 1 2 3 4								
S n 15 15 15 15 15 15 15	m cable in cable in cable the cable	eypad th galvanic isolation 00240 VAC) + US power cord 00240 VAC) + EUR power cord 00240 VAC) + UK power cord 00240 VAC) + UK power cord 00240 VAC) + AUS power cord (1 (Chachachachachachachachachachachachachach	N P 0	0 1 2 3 4								
15 No additional temperature probe	im cable e 1+T+Td+Tdf+a+x+Tv display laphical display with ke35 VDC, 24 VAC35 VDC, 24 VAC winversal AC-power (10 inversal AC	eypad th galvanic isolation 00240 VAC) + US power cord 00240 VAC) + EUR power cord 00240 VAC) + UK power cord 00240 VAC) + UK power cord 00240 VAC) + AUS power cord (1 (Chachachachachachachachachachachachachach	P 0	0 1 2 3 4								
No additional temperature probe Parameters	e +t-T-td+Td+a+x+Y o display raphical display with k 35 VDC, 24 VAC 35 VDC, 24 VAC with wersal AC-power (10 niversal AC-po	eypad th galvanic isolation 00240 VAC) + US power cord 00240 VAC) + EUR power cord 00240 VAC) + UK power cord 00240 VAC) + UK power cord 00240 VAC) + AUS power cord (1 (Chachachachachachachachachachachachachach	0	0 1 2 3 4								
Parameters	1+T-Td-Tdf+a+x+xTv of display with k of display of display with k i35 VDC, 24 VAC with viersal AC-power (10 viversal AC-power (10	eypad th galvanic isolation 00240 VAC) + US power cord 00240 VAC) + EUR power cord 00240 VAC) + UK power cord 00240 VAC) + UK power cord 00240 VAC) + AUS power cord (1 (Chachachachachachachachachachachachachach		0 1 2 3 4								
Power supply	in a display with k in	th galvanic isolation 10240 VAC) 10240 VAC) + US power cord 10240 VAC) + EUR power cord 10240 VAC) + UK power cord 10240 VAC) + UK power cord 10240 VAC) + AUS power cord 1 (ICh LAN/WLAN interface in USA and C. 1 (ICh LACR-BCAC) 1 (Ch 14.CR-BCAC)	anada) Not ID6	0 1 2 3 4								
Fower supply 10. 10. 10. 10. 10. 10. 10. 10	i35 VDC , 24 VAC 35 VDC , 24 VAC with 35 VDC , 24 VAC with 35 VDC , 24 VAC with 36 VDC , 24 VAC with 36 VDC , 24 VDC , 24 VDC 36 VDC , 24 VDC 37 VDC	th galvanic isolation 10240 VAC) 10240 VAC) + US power cord 10240 VAC) + EUR power cord 10240 VAC) + UK power cord 10240 VAC) + UK power cord 10240 VAC) + AUS power cord 1 (ICh LAN/WLAN interface in USA and C. 1 (ICh LACR-BCAC) 1 (Ch 14.CR-BCAC)	anada) Not IPA	1 2 3 4								
Un Un Un Un Un Un Un Un	niversal AC-power (10 detmal US AC-adapteral Good output channeralog outpu	NO240 VAC) NO240 VAC) + US power cord NO240 VAC) + EUR power cord NO240 VAC) + EUR power cord NO240 VAC) + UK power cord NO240 VAC) + AUS power cord r (for LAN/WLAN interface in USA and C.III (Ch1&Ch2&Ch3) II (Ch1&Ch2&Ch3)	anada) Not IPA	2 3 4								
Unduring the control of the control	niversal AC-power (10 niversal US AC-adapte) nalog output channe to output channe nalog output channe nalog output channe	10240 VAC) + US power cord 10240 VAC) + EUR power cord 10240 VAC) + UK power cord 10240 VAC) + AUS power cord 10240 VAC) + AUS power cord 1 (Ior LANWLAN interface in USA and City (Ch1&Ch2&Ch3) 1 (Ch1&Ch2&Ch3)	anada) Not IPA	3 4				'				1 1
V Signal output An - Ch1&Ch2 are mandatory - Ch3 is optional An An - S Analog output signals to Ch1, Ch2 and Ch3 - T - Td	niversal AC-power (10 niversal AC-power (10 ternal US AC-adapter nalog output channe nalog output channe nalog output channe nalog output channe nalog output channe	10240 VAC) + UK power cord 10240 VAC) + AUS power cord r (for LAN/WLAN interface in USA and Ci I (Ch1&Ch2&Ch3) I (Ch1&Ch2&Ch3)	anada) Not IPA				1 1 1	.				
University Uni	niversal AC-power (10 ternal US AC-adapter nalog output channe nalog output channe nalog output channe nalog output channe nalog output channe	00240 VAC) + AUS power cord r (for LAN/WLAN interface in USA and Ca II (Ch1&Ch2&Ch3) II (Ch1&Ch2&Ch3)	anada) Not IPA	5								
Fignal output An - Ch16Ch2 are mandatory - Ch3 is optional An An An An An Ch3 is Analog output signals of Ch1, Ch2 and Ch3 T Td	naternal US AC-adapternal of the channe of t	r (for LAN/WLAN interface in USA and Ca el (Ch1&Ch2&Ch3) el (Ch1&Ch2&Ch3)	anada) Not IPA	6								
- Ch1&Ch2 are mandatory	nalog output channe nalog output channe nalog output channe nalog output channe	l (Ch1&Ch2&Ch3)										
- Ch18Ch2 are mandatory	nalog output channe nalog output channe nalog output channe		4 20 mA 0 20 mA	1 2								
An + S 8 Analog output signals No 9 for Ch1 , Ch2 and Ch3 RH 0 T Td	nalog output channe	II (CIII & CNZ& CN3)	0 1 V	3								
+ S Analog output signals For Ch1 , Ch2 and Ch3 T Td			0 5 V	4								
3 Analog output signals No 9 for Ch1 , Ch2 and Ch3 RH 0 T	senai interface HS23	i (Cn1&Ch2&Ch3) 32 or optional communication module	0 10 V	5								
0 T Td	3rd analog output				Α							
Td		(0 100%RH)		B C								
		(range: see below) (-4+212 °F)		D								
	If (-20100 °C)	(-4+212 °F)		E	E E							
		(0262 gr/ft3)		F G	F <i>F</i> G <i>G</i>							
		(+32+212°F) (03500gr/lb)		H								
h (·	(-401500 kJ/kg)	(-9.5+652.6 Btu/lb)		J	J J			.				
		(05000) (014.5psi)		K L	K K L L					$ \cdot $		
		(014.5psi) (014.5psi)		М	M M			,				
dT	(-10+50 °C)	(14+122 °F)		N N	N N			.				
SPECIAL Define quantity Ch1 Define scale Ch1		Ch2:Optional Ch3 Ch2:Optional Ch3		х	x x							
Define Scale Offi	'	OnzOptional onc	Channel 1									
			Channel 2									
Analog output range No	temperature output	1	Channel 3, choose A,	, if not needed	ш,	Δ .						
for temperature -40	0+60℃	(-40+140°F)				В						
		(-40+176°F)										
		(-40+248°F) (-40+356°F)				D E						
T output is desired -20	0+60℃	(-4+140°F)				F						
		(-4+176°F) (-4+248°F)				G H						
		(-4+246 F) (-4+356 F)				J						
		(+32+140°F)				K						
		(+32+ 212 °F) (+32248 °F)				M .						
		(+32356°F)				N						
		(-76+140°F)				P						
Sp	pecial	•			,	x						
	etric					1						
	on-metric o module					2 0	,					
Re	elay output					1	'	.				
RS	S-485 serial interface (AN (Ethernet) interface	(galvanically isolated)				2				$ \cdot $		
	λιν (Ετηετηετ) ιπτεπαсε ata logger module	5 T E III CAUTE (FIGHS)				6		.				
4 Option for module slot 2 No	module						0	.				
	elay output d Analog output	Choose also analog output signal for C	Ch3				1 3	.				
	ata logger module	Not possible if the data logger module		en in item 13			6	.				
5 Cable bushings Ca	able gland M20 x 1.5						Α	.				
	onduit fitting NPT1/2' pole connector with 5r			spare cable:	212142		B <i>C</i>	.				
through 8-pole connector! 8-p	pole counter connecto	or equipped with screw terminals		spare cable.		416	D	.				
Bu	ıshing Set (Cable glar	nd M20 x 1.5 and Conduit fitting NPT1/2")				G					
	ormal mounting all mounting plate			item: 214829	,			0				
Po	ole installation kit			item: 215108	1			2				
	ole installation kit with . N rail kit	rain shield		item: 215109 item: 215094				3				
		high chemical concentrations	HUMICAP180R	spare: HUMI		7		A				
wit	th chemical purge fun	ction	HUMICAP180RC	spare: HUMI	CAP180I	RC		С				
8 Sensor protection PP	atalytic humicap senso PS plastic grid & stai	or with chemical purge	HUMICAP180VC	spare: HUMI spare: DRWI	CAP180	VC P		K	А			
	PS plastic grid & stai PS plastic grid			spare: DRW(В			
Sir	ntered stainless stee	el filter		spare: HM47	280SP				С			
	ainless steel grid kit			spare: HM47	453SP				D A			
for probe Mo	ounting flange			item: 210696	<u>:</u>				G			
Operating manual No	manual									A		
	nglish erman									B		
Fre	ench									D		
	nnish									E		
Sw Sn	vedish panish									F G		
pdf user's guides avalable at: Jaj	panese									J		
	ussian									K		
	ninese									٧	Α	
Ch		S232 (D9 female connector)		item: 19446Z							В	
Ch 1 PC Accessories No Se	cabic for FO, To	,										1 1
Ch PC Accessories No Se Mil.	170LINK software for V	Nindows® with RS232 service cable		item: 215005	i						C	1 1
Ch 1 PC Accessories	170LINK software for V ervice cable for PC, U	Nindows® with RS232 service cable SB		item: 219685	; ;						D	
Ch	I70LINK software for V ervice cable for PC, US I70LINK software for V O9001 compliant fac	Nindows® with RS232 service cable SB Nindows® with USB service cable		item: 219685 item: 219916 service item	for calibra		HCALST	'D			D E	
Ch PC Accessories	I70LINK software for V ervice cable for PC, US I70LINK software for V	Windows® with RS232 service cable SB Windows® with USB service cable etory calibration		item: 219685 item: 219916	for calibra		HCALST	"D			D E	

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:

HMT337 Humidity and Temperature Transmitter

For high humidities

/aisala HUMICAP® Humidity a	and Temperature Transm	nitter	HMT330 7 0		1 1					1 1		2 23 1 F
1 Transmitter type	HMT337		7			Ħ	П	Ħ	Ħ	Ħ	Ħ	Ħ
2 Cable length	2 m cable 5 m cable		S T							Ш		
	10 m cable		ΰ									
	20 m cable		R									
3 Additional temperature probe	No probe		C	'								
4 Parameters	RH+T+Td+Tdf+a+x+Tw	+ppm+pw+pws+h+dT		В								
5 Display	No display			0								
6 Power supply	Graphical display with ke 1035 VDC, 24 VAC	еурай										
	1035 VDC, 24 VAC wit			1								
	Universal AC-power (10			2								
		0240 VAC) + US power cord 0240 VAC) + EUR power cord		3 4								
		0240 VAC) + UK power cord		5								
	Universal AC-power (10)	0240 VAC) + AUS power cord		6								
7 Signal output	Analog output channel	(for LAN/WLAN interface in USA .	and Canada) Not I 4 20 mA	IP65 9								
o Signal output	Analog output channel		0 20 mA	2								
- Ch1&Ch2 are mandatory	Analog output channel	(Ch1&Ch2&Ch3)	0 1 V	3								
- Ch3 is optional	Analog output channel		0 5 V	4 5								
	Analog output channel + Serial interface RS23	2 or optional communication mo	0 10 V dule	3								
Analog output signals	No 3rd analog output				A							
for Ch1 , Ch2 and Ch3		0 100%RH)			B B B							
0	T (i Td (-20100°C) (-	range : see below) -4+212 °F)			C C C							
	Tdf (-20100 °C) (-	-4+212 °F)			E E E			Ш		П		
	a (0600g/m3) (0	0262 gr/ft3)			F F F							
		+32+212°F)			G G G H H H							
		03500gr/lb) -9.5+652.6 Btu/lb)			JJJ							
	ppm (05000) (0	05000)			K K K							
		014.5psi)			L L L M M M							
		014.5psi) 14+122 °F)			N N N							
SPECIAL Define quantity	Ch1:	Ch2:Optional			x x x							
Define scale	Ch1:	Ch2:Optional										
			Channel 1 Channel 2		-							
			Channel 3, choose	A, if not needed	1							
Analog output range	No temperature output					A						
for temperature	-40+60 °C (- -40+80 °C (-	40+140°F) 40+176°F)				B						
Note:	-40+120 °C (-	40+248°F)				D		Ш		П		
- Choose option A, if no	-40+180 °C (-	40+356°F)				E						
T output is desired		4+140 °F) 4+176 °F)				F G						
		4+248°F)				н						
	-20+180 °C (-	4+356 °F)				J						
		+32+140 °F)				K L						
		+32+ 212 °F) +32248 °F)				м						
		+32356°F)				N						
	-6060 °C (-	76+140°F)				Р						
	Special :					X						
	-					^						1 1
2 Output units	Metric											
2 Output units	Metric Non-metric											
2 Output units 3 Option for module slot 1	Metric Non-metric No module						0					
	Metric Non-metric No module Relay output	(galvanically isolated)					1					
	Metric Non-metric No module Relay output RS-485 serial interface (LAN (Ethernet) interface						1 2 4					
3 Option for module slot 1	Metric Non-metric No module Relay output RS-485 serial interface (LAN (Ethernet) interface Data logger module						1 2 4 6					
	Metric Non-metric No module Relay output RS-485 serial interface (LAN (Ethernet) interface Data logger module No module						1 2 4 6					
3 Option for module slot 1	Metric Non-metric No module Relay output RS-485 serial interface (LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output	e + 2 m cable (RJ45) Choose also analog output signal					1 2 4 6 0 1 3					
3 Option for module slot 1 4 Option for module slot 2	Metric Non-metric No module Relay output RS-485 serial interface (LAN (Ethernet) interface on the condule No module Relay output 3rd Analog output Data logger module	e + 2 m cable (RJ45)		chosen in item 1	3		1 2 4 6 0					
3 Option for module slot 1 4 Option for module slot 2	Metric Non-metric No module Relay output RS-485 serial interface LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Data logger module Cable gland W20 x 1.5	e + 2 m cable (RJ45) Choose also analog output signal Not possible if the data logger mo		chosen in item 1	3		1 2 4 6 0 1 3	AB				
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal AC power not connected	Metric Non-metric No module Relay output Relay output RS-485 serial interface i LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Data logger module Cable gland WOQ x 1.5 Conduit fitting NPT12"	+ 2 m cable (RJ45) Choose also analog output signal Not possible if the data logger months and the data logger months are side in the data logger months and the data logger months are side.		spare cab	le: 21214.	1 2	1 2 4 6 0 1 3	С				
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal	Metric Non-metric Non module Relay output Relay output RS-485 serial interface (LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Data logger module Cable gland M20 x 1.5 8-pole counter connector with 58 8-pole counter connector with 58 8-pole counter connector	e + 2 m cable (RJ45) Choose also analog output signal Not possible if the data logger mo	dule has already been o		le: 21214.	1 2	1 2 4 6 0 1 3	C D				
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal A C power not connected through 8-pole connector!	Metric Non-metric No module Relay output Relay output RS-485 serial interface i LAN (Ethernet) interface Data logger module No module Relay output Jata logger module Cable gland WQ ox 1.5 Conduit fitting NPT12" S-pole connector with 5s 8-pole counter connecto	+ 2 m cable (RJ45) Choose also analog output signal Not possible if the data logger months and the data logger months are side in the data logger months and the data logger months are side.	dule has already been o	spare cab	le: 21214.	1 2	1 2 4 6 0 1 3	C D G				
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal AC power not connected	Metric Non-metric Non module Relay output Relay output RS-485 serial interface (LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Data logger module Cable gland M20 x 1.5 8-pole counter connector with 58 8-pole counter connector with 58 8-pole counter connector	e + 2 m cable (RJ45) Choose also analog output signal Not possible if the data logger mo	dule has already been o	spare cab	le: 21214 nector: 21	1 2	1 2 4 6 0 1 3	C D G				
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3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal AC power not connected through 8-pole connector! 6 Transmitter installation 7 Humidity sensor type 8 Sensor protection 9 Installation kit for probe 0 Operating manual language	Metric Non-metric Non-module Relay output Relay output Relay output Non module Relay output Saria Internace internace LAN (Ethernet) interface Data logger module No module Relay output Saria Analog output Data logger module Cable gland M20 x 1.5 Conduit fitting NPT12" S-pole connector with 56 -pole connector with 57 -pole installation kit with DIN rail kit General purpose and In with chemical purge fun with chemical purge fun catalytic humiags sense. PPS plastic grid & stair PSP plastic grid Saria Stainless steel grid No kit Cable gland AGRO Swagalok NPT 12" Swagalok ISO 318" Swagalok ISO 318" Swagalok ISO 112" No manual English German French Finnish Swedish Spanish Japanese Russian Chinese No Service cable for PC, R: No No MINIOLINK software for V	n + 2 m cable (RJ45) Choose also analog output signal Mot possible if the data logger mot not possible if the data logger mot possible if the data logger mot possible in the data logger mot possibl	HUMICAP180R HUMICAP180R HUMICAP180VC	spare cab spare con litem: 214k item: 215i item: 215i spare: HU spare: HU spare: HM spare: HM item: 210k item: SW item: SW item: SW	le: 21214.1 le: 21214.1 le: 21214.1 le: 21214.1 le: 208 le: 009 le: 00	1 2 2 2 2 2 2 2 2 4 1 6 0 R C O V C S P S P	1 2 4 6 0 1 3	C D G 0 1 2 3	C K A B C	A C D K L Y	A B	
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal AC power not connected through 8-pole connected through 8-pole connected 2 Transmitter installation 3 Sensor protection 9 Installation kit for probe 9 Operating manual language pdf user's guides available at: www.vaisala.com/hmt330	Metric Non-metric Non-metric Non module Relay output Relay output S-485 serial interface (LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Jara logger module Cable gland M20 x 1.5 E-pole counter connecto Bushing Set (Cable gland Mormal mounting Wall mounting plate Pole installation kit with DN rail kit Reneral purpose and In with chemical purge fun with chemical purge fun Catalytic huminap sense. PFS plastic grid & stall Statinless steel grid No kit Dust installation kit Cable gland AGF1 (25 Swagolok KSO 3/8* Swagolok KSO 3/8* Swagolok KSO 1/2* No manual English German French Finnish Spanish Japanese Russian No Service cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, R: M//JOLINK softw	p + 2 m cable (RJ45) Choose also analog output signal. Not possible if the data logger mo. m cable or equipped with screw terminals ad M20 x 1.5 and Conduit fitting NF rain shield ligh chemical concentrations ctitle the mical concentrations or with chemical purge niless steel netting I filter S232 (D9 female connector) Vindows® with RS232 service cab	HUMICAP180R HUMICAP180R HUMICAP180VC	spare cab spare con item: 2144 item: 2151 item: 2151 item: 2151 spare: HH spare: PH spare: HH spare: HH item: 2104 item: HMF item: SWU item: SWU item: 1944 item: 2154 item: 2154 item: 2154 item: 2154 item: 2154 item: 2154	le: 21214.1 le: 21	1 2 2 2 2 2 2 2 2 4 1 6 0 R C O V C S P S P	1 2 4 6 0 1 3	C D G 0 1 2 3	C K A B C	A C D K L Y	A B C D	
Option for module slot 1 Cable bushings Note: The Universal AC power not connected through 8-pole connector! Transmitter installation Consider the Universal AC power not connected through 8-pole connector! Transmitter installation Installation kit for probe Operating manual language	Metric Non-metric Non-metric Non module Relay output Relay output S-485 serial interface (LAN (Ethernet) interface Data logger module No module Relay output 3rd Analog output Jara logger module Cable gland M20 x 1.5 E-pole counter connecto Bushing Set (Cable gland Mormal mounting Wall mounting plate Pole installation kit with DN rail kit Reneral purpose and In with chemical purge fun with chemical purge fun Catalytic huminap sense. PFS plastic grid & stall Statinless steel grid No kit Dust installation kit Cable gland AGF1 (25 Swagolok KSO 3/8* Swagolok KSO 3/8* Swagolok KSO 1/2* No manual English German French Finnish Spanish Japanese Russian No Service cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, C. Rivice cable for PC, R: M//JOLINK software for PC, R: M//JOLINK softw	n + 2 m cable (RJ45) Choose also analog output signal MNot possible if the data logger mo. In cable In equipped with screw terminals at MEO x 1.5 and Conduit fitting NF rain shield digh chemical concentrations ction or with chemical purge nless steel netting If filter S232 (D9 female connector) Windows® with RS232 service cabs S8 S8 S9 Windows® with USB service cable	HUMICAP180R HUMICAP180R HUMICAP180VC	spare cab spare con litem: 214k item: 215i item: 215i spare: HU spare: HU spare: HM spare: HM item: 210k item: SW item: SW item: SW	le: 21214, mector: 21	1 1 2 2 2 2 2 2 4 1 6 OR ORC SP SSP	1 2 4 6 0 1 3 3 6	C D G 0 1 1 2 2 3 4 4	C K A B C	A C D K L Y	A B	

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:

QTY TOTAL VALUE

HMT337 Humidity and Temperature Transmitter with warmed probe For high humidities

	and Temperature Tran	nsmitter	HMT330 7			-	+	++	1 PI
Transmitter type Cable length	HMT337 2 m cable	·	7 s	-111111	1117		$\prod_{i=1}^{n}$		$ ^{-}$
(dew point probe)	5 m cable		T						
•	10 m cable 20 m cable		U R		+				
Additional temperature	No probe		n 0						
probe	2 m cable		1		+				
NOTE: select to measure	5 m cable 10 m cable		2						
RH and T	20 m cable		7						
Parameters	Td+Tdf+x+pw		lew point probe only)	[c]					
Display	RH+T+Td+Tdf+a+x+ No display	Tw+ppm+pw+pws+h+dT (wi	th additional T probe)	<u>D</u> 0					
Display	Graphical display with	keypad		1					
Power supply	1035 VDC , 24 VAC			0					
	1035 VDC, 24 VAC Universal AC-power (1 2					
	Universal AC-power (100240 VAC) + US power cord		3					
		100240 VAC) + EUR power cord		4					
	Universal AC-power (Universal AC-power (100240 VAC) + UK power cord 100240 VAC) + AUS power cord		5					
	External US AC-adap	ter (for LAN/WLAN interface in USA ar							
7 Signal output	Analog output chans Analog output chans		4 20 mA 0 20 mA	1 2					
- Ch1&Ch2 are mandatory	Analog output chan		0 1 V	3					
- Ch3 is optional	Analog output chan	nel (Ch1&Ch2&Ch3)	0 5 V	4					
	Analog output chan	nel (Ch1&Ch2&Ch3) 232 or optional communication mod	0 10 V	5					
Analog output signals	No 3rd analog output	t	iuie	A					
for Ch1, Ch2 and Ch3	RH	(0 100%RH)		B B B					
(ref. to parameters	T Td (-20100°C)	(range: see below) (-4+212 °F)		C C C					
selection above)	Tdf (-20100 °C)	(-4+212 °F)		E E E			$ \cdot $	\perp	
•	a (0600g/m3)	(0262 gr/ft3)		F F F				$ \cdot $	
	Tw (0100°C) x (0500g/kg d.a)	(+32+212°F) (03500gr/lb)		G G G H H H				$ \cdot $	
	h (-401500 kJ/kg)	(-9.5+652.6 Btu/lb)		J J J					
	ppm (05000)	(05000)		K K K	+		\mathbf{I}		
	pw (01000 hPa)	(014.5psi)		L L L				$ \cdot $	
	pws (01000 hPa) dT (-10+50 °C)	(014.5psi) (14+122 °F)		M M M N N N					
SPECIAL Define quantity	Ch1:	Ch2: Optional		x x x					
Define scale	Ch1:	_ Ch2:Optional							
			Channel 1 Channel 2		+				
			Channel 3, choose A		+				
1 Analog output range	No temperature outp		·	A	+				\perp
for temperature	-40+60 °C -40+80 °C	(-40+140°F) (-40+176°F)		B C	+		\mathbf{I}		\perp
NOTE:	-40+120°C	(-40+248°F)		D				$ \cdot $	
- Choose option A, if no	-40+180°C	(-40+356°F)		E					
T output is desired	-20+60℃	(-4+140°F)		F					
	-20+80°C -20+120°C	(-4+176°F) (-4+248°F)		G H					
	-20+180°C	(-4+356°F)		j					
	0+60℃	(+32+140°F)		ĸ					
	0+100°C								
		(+32+ 212°F)		L					
	0+120°C	(+32248°F)		L M					
	0+120°C 0+180°C -6060 °C			L M N P					
	0+120°C 0+180°C	(+32248°F) (+32356°F)		L M N					
2 Output units	0+120°C 0+180°C -6060 °C	(+32248°F) (+32356°F)		L M N P	1				
2 Output units	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric	(+32248 °F) (+32356 °F)		L M N P X	1 2				
-	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric No module	(+32248 °F) (+32356 °F)		L M N P X	0				
2 Output units 3 Option for module slot 1	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric No module Relay output	(+32248°F) (+32355°F) (-75+140°F)		L M N P X	0				
	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethernet) interfa	(+32248 °F) (+32356 °F)		L M N P X	0 1 2 4				
3 Option for module slot 1	0+120°C 0+180°C -6060°C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethemet) interfac Data logger module	(+32248 F) (+3236 F) (-78+140 F) : e (galvanically isolated)		L M N P X	0 1 2 4 6				
3 Option for module slot 1	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethernet) interfa	(+32248 F) (+3236 F) (-78+140 F) : e (galvanically isolated)		L M N P X	0 1 2 4 6				
3 Option for module slot 1	0+120°C+180°C -6060°C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethernet) interfac Data logger module No module Relay output Rolay output Ard Analog output	(+32_48°F) (+32_35°F) (+76_+140°F) :		M M P X	0 1 2 4 6 0 1 3				
3 Option for module slot 1 4 Option for module slot 2	0+120°C 0+180°C -6060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethernel) interfa Data logger module No module Relay output 3rd Analog output Data logger module Data logger module	(+3248F) (+3238F) (+76+140F) (= (galvanically isolated) cce + 2 m cable (RJ45) Choose also analog output signal if Not possible if the data logger mode		M M P X	0 1 2 4 6				
3 Option for module slot 1 4 Option for module slot 2	0+120°C+180°C -6060°C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethernet) interfac Data logger module No module Relay output Rolay output Ard Analog output	(+32_48*F) (+32_35*F) (+76_+140*F) :		M M P X	0 1 2 4 6 0 0 1 3 6 A B				
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected	0+120°C 0+180°C -6060°C Special Metric Non-metric Non-met	(+32_48*F) (+32_35*F) (+76_+140*F) : : : : : : : : : : : : : : : : : : :		L L M N P X X Sen in Item 13	0 1 2 4 6 0 1 3 6 A B				
3 Option for module slot 1 4 Option for module slot 2 5 Cable bushings Note: The Universal	0+120°C 0+180°C -8060°C Special Metric Non-metric Non-metric Non module Relay output RS-48S serial interfac LAN (Ethemet) interfac Data lagger module No module Relay output 3rd Analog output Jata lagger module Cable gland M20 x1 - Spole connector with spole courter conne-	(+3248F) (+3238F) (+76+140F) : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also anabog output signal fi Not possible if the data logger mod. 5. 72° 5m cable core equipped with screw terminals	ule has aiready been cho	L L M N P X X	0 1 2 4 6 0 1 3 6 A B C C D				
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected	0+120°C 0+180°C -8060°C Special Metric Non-metric Non-metric Non module Relay output RS-48S serial interfac LAN (Ethemet) interfac Data lagger module No module Relay output 3rd Analog output Jata lagger module Cable gland M20 x1 - Spole connector with spole courter conne-	(+32_48*F) (+32_35*F) (+76_+140*F) : : : : : : : : : : : : : : : : : : :	ule has aiready been cho	L L M N P X X Sen in Item 13	0 1 2 4 6 0 1 3 6 A B	0			
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected	0+120°C 0+180°C -400.60°C Special Metric Non-metric No module Relay output Relay output Relay output Relay output Relay output Data logger module Relay output Data logger module No module Relay output Data logger module Conduit fitting NPT1 Spole connector with Spole counter connector Bushing Set (Cabb g Normal mounting Normal mounting Nat mounting pate	(+3248F) (+3238F) (+76+140F) : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also anabog output signal fi Not possible if the data logger mod. 5. 72° 5m cable core equipped with screw terminals	ule has aiready been cho	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829	0 1 2 4 6 0 1 3 6 B C D G	1			
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Eithemet) interfa Data logger module No module Relay output 3rd Analog output Jata logger module Cable gland M20 ×1 8-pole counter conne Bushing Set (Cable g Normal mounting Set (Cable g Normal mounting Data Wall mounting plate Pole installation	(+3248F) (+3238F) (+76+140F) : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also analog output signal f Not possible if the data logger mod .5 [72" 5m cable cable quipped with screw terminals and M20 x 1.5 and Conduit fitting NPT	ule has aiready been cho	sen in item 13 spare cable: 212142 spare cable: 212416 item: 21429 item: 21429	0 1 2 4 6 0 1 3 6 B C D G	1 2			
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected	0+120°C 0+180°C -6060°C Special Metric Non-metric No module Relay output Relay output Relay output Relay output Relay output Data logger module No module Relay output Data logger module No module Relay output Data logger module Special output Data logger module Special output Data logger module Special output Relay output Data logger module Relay output Relay out	(+3248F) (+3238F) (+76+140F) : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also analog output signal f Not possible if the data logger mod .5 [72" 5m cable cable quipped with screw terminals and M20 x 1.5 and Conduit fitting NPT	ule has aiready been cho	sen in item 13 spare cable: 212142 spare connector: 212416 item: 214829 item: 215109	0 1 2 4 6 0 1 3 6 B C D G	1			
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connector Transmitter installation	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethemet) interla Relay output Bris 485 serial interlac LAN (Ethemet) interla Relay output Data logger module Relay output Special Commodule Relay output Re	(s22_48 F) (s22_35 F) (c76_s140 F) : : : : : : : : : : : : : : : : : : :	ule has already been cho	sen in item 13 spare cable: 212142 spare connector: 212416 item: 214829 item: 215108 item: 215109 item: 215094 spare: HUMICAP180RG	0 1 2 4 6 0 0 1 3 3 6 A B C D G	1 2			
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole commeted Transmitter installation	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non module Relay output Relay output Relay output Data lagger module No module Relay output 3rd Analeg output Data lagger module Cable gland M20 x1 Sepole connector with the sepole connector with the sepole counter conne Bushing Set (Cable gin M20 x1 Relay output Wall mounting parte Pole installation kit will Div 181 kit Chemical tolerant cic Composite sensor w	(+3248F) (+3238F) (+76+140F) : : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also analog output signal is Not possible if the data logger mod. 5. 12° Sim cable and M20 x 1.5 and Conduit fitting NPT in train shield composite sensor rith chemical purge	ule has already been cho	sen in item 13 spare cable: 212142 spare connector: 212411 item: 21429 item: 215109 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC	0 1 2 4 6 0 0 1 3 6 A B C G G	1 2 3 4 D E			
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole commeted Transmitter installation	0+120 °C 0+180 °C -6060 °C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethemet) interla Relay output Bris 485 serial interlac LAN (Ethemet) interla Relay output Data logger module Relay output R	(+3248 F) (+3235 F) (+76+140 F) : : : : : : : : : : : : : : : : : : :	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F			
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pote connected Transmitter installation Humidity sensor type	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Eithemet) interfa LAN (Eithemet) interfa Relay output 3rd Analog output 3rd Analog output Data logger module Cable gland M20 ×1 8-pole counter conne Bushing Set (Cable g Normal mounting Set (Cable g Normal mounting Wall mounting hat Pole installation kit wit DIV nall kit Chemical tolerant c Composite sensor k Chemaca constance in the composite sensor k C	(+3248F) (+3238F) (+76+140F) : : e (galvanically isolated) cce + 2 m cable (RJ45) Choose also analog output signal is Not possible if the data logger mod. 5. 12° Sim cable and M20 x 1.5 and Conduit fitting NPT in train shield composite sensor rith chemical purge	ule has already been cho	sen in item 13 spare cable: 212142 spare connector: 212411 item: 21429 item: 215109 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E			
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connectod Transmitter installation Humidity sensor type	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethemet) interfa LAN (Ethemet) interfa Relay output 3rd Analog output 3rd Analog output Data logger module Cable gland M20 ×1 8-pole counter come Bushing Set (Cable g Normal mounting Set (Cable g Normal mounting Wall mounting has the Pole installation kit wit DIV nall kit Chemical tolerant c Composite sensor v Sintered stallation still related catalyce in PPS plastic grid & si Sintered stallations	(e32_48*F) (e32_35*F) (r5e_+140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal fs. Not possible if the data logger mod. 5. So cable for equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT thrain shield Imposite sensor ith chemical purge or true I cell applications cap sensor with chemical purge tainless setel notting	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 215108 item: 215108 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: POWO102815P	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L	:		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pote connected Transmitter installation Humidity sensor type	0+120°C 0+180°C -6060°C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethernet) interlac Data logger module Relay output Brailey output Data logger module Data logger module Cable gland M20 x1 Spela connector with Spela counter connect Cable gland M20 x1 Spela connector with Wall mounting labe Dele installation is Pole installation is Non Mall is Chemical tolerant cc Composite sensor is Chemical tolerant cc Composite sensor is Headed catalytic hum PSP plastic grid & is Sintered stalnless is Stalnless steel grid d & is Sintered stalnless is	(e32_48*F) (c32_35*F) (c76_*140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal for Not possible if the data logger modification of the Community of the C	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215109 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HM47280SP spare: M447280SP spare: M44738SP	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L			
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected through 8-pole connector Transmitter installation	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interfac LAN (Ethemet) interfa LAN (Ethemet) interfa Relay output 3rd Analog output 3rd Analog output Data logger module Cable gland M20 ×1 8-pole counter conne Bushing Set (Cable g Normal mounting plate Pole installation kit wil DN rall kit Chemical tolerant ci Composite sensor to Lenated catalytic PSP plastal cigrid kit si PSP splastic grid kit Stalinless steel grid Wembrane SST filler Rembrane SST filler Remb	(e32_48*F) (e32_35*F) (r5e_+140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal fs. Not possible if the data logger mod. 5. So cable for equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT thrain shield Imposite sensor ith chemical purge or true I cell applications cap sensor with chemical purge tainless setel notting	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 215108 item: 215108 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: POWO102815P	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L			
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected through 8-pole connector Transmitter installation	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output Relay output SP-485 serial interfac LAN (Ethemet) interfac LAN (Ethemet) interfac Data lagger module No module Relay output 3rd Analog output 3rd Analog output Bata lagger module Cable gland M20 x1 S-pole counter come Bushing Set (Cable gland M20 x1 S-pole counter come Bushing Set (Cable gland M20 x1 Normal mounting Data Pole installation kt wit DN rall kt Chemical tolerant c Composite sensor for Heasted catalytic and PPS plastic grid st St intered stallation st x1 St intered stallation st St intered stall	(e32_48*F) (e32_35*F) (r56_*140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal for Not possible if the data logger modification of the cable (radiation of the cable continued of the cable cab	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 2124142 spare connector: 212414 item: 214829 item: 21509 spare: HUMICAP180RC spare: HM47453SP spare: HM47453SP item: 214848SP	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L	A C		
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 5-pic connected 1 Transmitter installation Humidity sensor type Sensor protection	0+120°C 0+180°C -6060°C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethemot) interla Relay output Brain Markey output Brain Markey output Data lagger module No module Relay output Data lagger module Relay output Data lagger module Selay output Data lagger module Relay output Data lagger module Cable gland M20 x1 serial Spole courselor with Normal mounting No	(e32_48*F) (e32_35*F) (r56_*140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal for Not possible if the data logger modification of the cable (radiation of the cable continued of the cable cab	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HM47280Sp spare: HM47280Sp spare: M447280Sp spare: 214948SP item: 210687 item: 210687	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L	A C K		
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 5-pic connected 1 Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethemet) interfa LAN (Ethemet) interfa Relay output 3rd Analog output 3rd Analog output Data logger module Cable gland M20 ×1 8-pole counter come Bushing Set (Cable g Normal mounting plate Pole installation kit wit DN rall kit Chemical tolerant c Composite sensor fu Heated catalytic and PPS pisted stallation kit (if No kit No kit No kit No kit Swagelok NPT 1/25 Swagelok NPT 1/28*	(+3248+F) (+3238+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 2124142 spare connector: 212414 item: 214829 item: 21509 item: 21509 spare: HUMICAP180RC spare: HMA7453SP spare: HMA7453SP item: 214848SP item: 2160877 item: SWG12NPT12 item: SWG12NPT12 item: SWG12NPT12	0 1 2 4 6 0 1 3 6 A B C C D G	1 2 3 4 D E F L	A C K		
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connector Transmitter installation Humidity sensor type	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output Relay output Ara Alesa output Data lagger module No module Relay output Ara Alesa output Ar	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare cornector: 2124142 spare cornector: 212414 item: 214829 item: 215108 item: 215108 item: 215108 item: 215108 spare: HUMICAP180RC spare: HMA7453SP item: SWG12NPT12	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q		
Option for module slot 1 Option for module slot 2 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 5-pic connected 1 Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethemot) interlac Relay output Sard Analog output Data logger module Data logger module Data logger module Cable gland M20 x1 Serial Relay output Data logger module Cable gland M20 x1 Serial Relay output Relay output Data logger module Cable gland M20 x1 Serial Relay output Relay ou	(e32_48*F) (e32_35*F) (r56_+140*F) e (galvanically isolated) ice + 2 m cable (RJM5) Choose also analog output signal In Not possible if the data logger mod. 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.	HUMICAP180RC HUMICAP180RC HUMICAP180RC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 215109 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HM47280Sp spare: HM47280Sp spare: M447280Sp spare: M447280Sp item: 210687 item: SW012NPT12- item: SW012N	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected Through Spoin connected Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output Relay output Sr4-485 serial interfac LAN (Ethemet) interfac LAN (Ethemet) interfac LAN (Ethemet) interfac LAN (Ethemet) interfac Lan (and the control of the control Bata larger module No module Relay output 3rd Analog output 3rd Analog output 3rd Analog output 3rd Analog output Bata larger module Cable gland M20 x1 S-pole counter come Bushing Set (Cable gland M20 x1 S-pole counter come Bushing Set (Cable gland M20 x1 Fole installation kt wit DN rall kt Chemical tolerant c Composite sensor fu Heasted catalytic and PPS pinet sitaliation kt wit DN rall kt Swagekk NDT 1/2" Swagekk NDT 157 Swagekk KD 328" Duct installation kt 10/2 Swagekk KD 328" Swagekk KD 328" Swagekk KD 328" Swagekk KD 312" Swagekk KD 312" Swagekk KD 312"	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through Spote connected Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 215109 item: 215109 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HM47280Sp spare: HM47280Sp spare: M447280Sp spare: M447280Sp item: 210687 item: SW012NPT12- item: SW012N	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through Spole connected? Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R Y 1		
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Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected through 8-pole connector Transmitter installation Humidity sensor type Sensor protection	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric No module Relay output Relay output Relay output Braid Relay output Jata lagger module No module Relay output Jata lagger module No module Relay output Jata lagger module Cable gland M20 ×1 Relay output Jata lagger module Cable gland M20 ×1 Relay output R	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R Y 1) 	
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connector! Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R Y 1		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connected through 8-pole connected Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-metric No module Relay output RS-485 serial interfac LAN (Ethemet) interfa Relay output 3rd Analog output 3rd Analog output 3rd Analog output Data logger module Cable gland M20 ×1 Relay output Bata logger module Cable gland M20 ×1 Relay output Wall mounting plate (Cable gland M20 ×1 R-pole counter come Bushing Set (Cable gland M20 ×1 R-pole installation kit wit DN rall kit Chemical tolerant ci Composite sensor fu Heated catalytic man PPS plastic grid &s si Stainless steel grid Membrane SST fille No kit No kit Swagelok NPT 1/2" Swagelok (NO 38" + Swagelok (NO 71/2" - Swagelok (NO 38" + Swagelok (NO 38" + Swagelok (NO 71/2" - Swagelok (NO 38" + Swagelok (NO 38" + Swagelok (NO 38" + Swagelok (NO 71/2" - Swagelok (NO 71/2	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	ACKLPQRY1		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected Transmitter installation Transmitter installation Sensor protection Sensor protection Operating manual language pdf user's guides available at: www.velsala.com/hm/330	0+120 °C 0+180 °C -8060 °C Special Metric Non-metric Non-	(+3248+F) (+3238+F) (+3235+F) (+32	HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180RC HUMICAP180VC	sen in item 13 spare cable: 212142 spare cornector: 212414 spare cornector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 spare: HUMCAP180RC spare: HMA7453SP item: SWG128NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NPT12 item: SWG128NG28NPT12 item: SWG128NG28NG28NG28NG28NG28NG28NG28NG28NG28NG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	A C K L P Q R Y 1		
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connector Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language	0+120°C 0+180°C -8060°C Special Metric Non-metric Non-metric Non module Relay output RS-485 serial interlac LAN (Ethemet) interlac Relay output RS-485 serial interlac LAN (Ethemet) interlac Relay output Rod Relay output Relay outp	(s22_48F) (s22_38F) (r32_140F) (r32_140F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal It Not possible if the data logger mod. 5 75 m cable (r32_140F) for advertised and Conduit litting NPT the rain shield composite sensor (ith chemical purge or fuel cell applications cap sensor with chemical purge auriless steel nettling elf litter r for fuel cell applications v RH probe) H + T probes) Swagebk NPT 1/8" (RH+T) Swagebk NSO 1/8" (RH+T) Swagebk NSO 1/8" (RH+T) objector for warmed RH&T and T probe	HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC	sen in item 13 spare cable: 212142 spare connector: 212410 item: 214829 item: 215108 item: 215108 item: 215109 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HMM7428SP spare: HM4745SSP spare: HM4745SSP spare: HM4745SSP spare: HM4745SSP spare: 19448SP item: SWG112NDT12	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	ACKLPQRY1	A B	
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected Transmitter installation Transmitter installation Sensor protection Sensor protection Operating manual language pdf user's guides available at: www.velsala.com/hm/330	0+120 °C 0+180 °C -8060 °	(s22_48*F) (s22_38*F) (r36_+140*F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal fix Not possible if the data logger mod. 5. For able clor equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT ith chemical purge or true I cell applications cap sensor with chemical purge tailness steen entiting tell filter refor fuel cell applications or RH probe) H + T probes) Swagebk NPT 1/8* (RH+T) Swagebk NPT 1/8* (RH+T) Swagebk NPT 1/8* (RH+T) objector for warmed RH&T and T probe	HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 item: 21509 spare: HUMICAP180RG spare: 216897 item: SWG 128038 item: SWG 12	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	ACKLPQRY1	A B C	
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through 8-pole connector Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language pdf user's guides available at: www.vaisala.com/hmt330	0+120°C 0+180°C -8060°C Special Metric Non-metric Non-met	(s22_48F) (s22_38F) (r36_s140F) e (galvanically isolated) (ce + 2 m cable (RJ45) Choose also analog output signal In Not possible if the data logger mod. 5. 75 m cable To equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT th rain shield omposite sensor (ith chemical purge or fuel cell applications caps sensor with chemical purge aimless steel nettling eel filter r for fuel cell applications x RH probe) H + T probes) Swagebk NPT 1/8" (RH+T) Swagebk NPT 1/8" (RH+T) objector for warmed RH&T and T probe RS232 (D9 female connector) x Windows® with RS232 service cable USB	HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC	sen in item 13 spare cable: 212142 spare connector: 212410 item: 214829 item: 215094 spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HUMICAP180RC spare: HMAT453SP spare: HMAT453SP spare: HMAT453SP item: SWG112NDT12 item: SWG	0 1 2 4 6 0 1 3 3 6 A B C C C G G	1 2 3 4 D E F L	ACKLPQRY1	A B C D	
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected through Spoic connected Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language pdf user's guides available at: www.vaisala.com/hmi330	0+120°C 0+180°C -8060°C Special Metric Non-metric Non-met	(s22_48*F) (s22_38*F) (r36_*140*F) e (galvanically isolated) (cc + 2 m cable (RJ45) Choose also analog output signal fix Not possible if the data logger mod. 5. So cable clor equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT ith chemical purge or true I cell applications cap sensor with chemical purge tailness steel netting tell filter r for fuel cell applications or RH probe) H + T probes) Swagebk NPT 1/8* (RH+T) Swagebk NPT 1/8* (RH+T) Objector for warmed RH&T and T probe RS232 (D9 female connector) v Windows® with RS232 service cable USB Windows® with RS232 service cable	HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 item: 21509 spare: HUMICAP180RG spare: 216897 item: SWG 128038 item: SWG 12	0 1 1 2 4 6 0 1 3 3 6 A B C C C C C C C C C C C C C C C C C C	1 2 2 3 4 D E F L A C C D F F	ACKLPQRY1	A B C	A
Option for module slot 1 Option for module slot 2 Cable bushings Note: The Universal AC power not connected Through Spoil connected Transmitter installation Humidity sensor type Sensor protection Installation kit for probe Operating manual language pdf user's guides available at: www.vaisala.com/hm/530 PC Accessories	0+120 °C 0+180 °C -6060 °C -5060 °	(s22_48F) (s22_38F) (r36_+140F) e (galvanically isolated) (cc + 2 m cable (RJ45) Choose also analog output signal fix Not possible if the data logger mod 5.5 for able clor equipped with screw terminals and M20 x 1.5 and Conduit fitting NPT th rain shield imposite sensor rith chemical purge or true I cell applications cap sensor with chemical purge tailness steen netting tell filter rfor fuel cell applications r RH probe) H + T probes) Swagebk NPT 1/8" (RH+T) Swagebk NPT 1/8" (RH+T) volector for warmed RH&T and T probe RS232 (D9 female connector) v Windows® with RS232 service cable USB v Windows® with RS232 service cable actory calibration	HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC HUMICAPIBORC	sen in item 13 spare cable: 212142 spare connector: 212414 item: 214829 item: 215108 item: 21509 item: 21509 item: 21509 spare: HUMICAP180RG spare: 2180R7 item: SWG 128038 item: 219085	0 1 2 4 6 0 1 3 3 6 A B C C C C C C C C C C C C C C C C C C	1 2 2 3 4 D E F L A C C D F F	ACKLPQRY1	A B C D E	

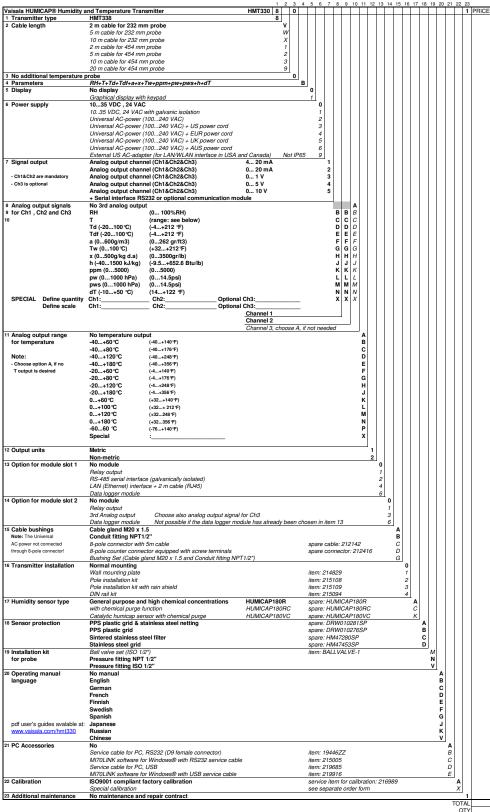
Selections in bold are included in the prices of the basic versions. Selections in italic are available at an extra price.

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

HMT338 Humidity and Temperature Transmitter

For pressurized pipelines



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 1

End customer:

QTY TOTAL VALUE