VAISALA

Order form
Purchaser _____

Valid from June 2016
Order no. _____

HMT311 Humidity and Temperature Transmitter

For wall mounting

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PRICE
	Vaisala HUMICAP® Humidity and Temperature Transmitter		**HMT310**	**1**			**A**								**A**			**1**	**A**		
1	**Transmitter type**	**HMT311**		**1**																	
		RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h			***B***																
3	**Mounting plate**	**Standard mounting plate (recommended choice)**				**5**															
		Mounting plate without flange (not for outdoor use)				**6**															
4	**Power supply**	**24 VDC**					**A**														
5	**Analog output signal**	**Analog output channel (Ch1&Ch2)**	**4... 20 mA & RS232C**					**1**													
		Analog output channel (Ch1&Ch2)	**0... 20 mA & RS232C**					**2**													
		Analog output channel (Ch1&Ch2)	**1... 5 V & RS232C**					**J**													
		Analog output channel (Ch1&Ch2)	**0... 5 V & RS232C**					**4**													
		Analog output channel (Ch1&Ch2)	**0... 10 V & RS232C**					**5**													
6	**Analog output parameters**	**No analog outputs**							**A**	**A**											
7	**for Ch1 and Ch2**	**RH**	**(0... 100%RH)**						**B**	**B**											
		Temperature	**(choose T range below)**						**C**	**C**											
		Td (-40…60℃)	**(-40…140℉)**						**D**	**D**											
		Tdf (-40…60℃)	**(-40…140℉)**						**E**	**E**											
		a (0...160 g/m3)	**(0…69.9 gr/ft3)**						**F**	**F**											
		x (0...160 g/kg d.a)	**(0…1120 gr/lb)**						**G**	**G**											
		Tw (0…60℃)	**(+32...+140℉)**						**H**	**H**											
		ppm (0…5000)	**(0…5000)**						**J**	**J**											
		pw (0…1000 hPa)	**(0…14.5 psi)**						**K**	**K**											
		pws (0…1000 hPa)	**(0…14.5 psi)**						**L**	**L**											
		h (-40...1500 kJ/kg)	***(-9.5...+652.6 Btu/lb)***						**M**	**M**											
	SPECIAL:	Parameters	CH1:_____ CH2:_____						**X**	**X**											
	NOTE:	Scale for parameters	CH1:_____ CH2:_____																		
	- Choose A for both channels		**Ch1**																		
	when you don't use analog outputs		**Ch2**																		
8	**Analog output range**	**No range**									**A**										
	for temperature	**-60…+60℃**	**(-76…140℉)**								**B**										
		-40...+60℃	**(-40...+140℉)**								**C**										
	NOTE:	**-20...+60℃**	**(-4...+140℉)**								**F**										
	- Choose A when T	**0...+60℃**	**(+32...+140℉)**								**J**										
	is not desired	**special range : _____ ℃/℉**									**X**										
9	**Output units**	**Metric**										**1**									
		Non-metric										**2**									
10	**Cable connector**	*8-pole connector with 5m cable*	*spare 5 m cable: 212142*										*4*								
		8-pole connector with 10 m cable	*spare 10 m cable: 210964SP*										*7*								
		8-pole counter connector											*5*								
11	**Operating manual**	**No manual**												**A**							
	language	**English**												**B**							
		German												**C**							
		Japanese	see latest manuals online: www.vaisala.com/HMT310											**D**							
12	**Probe type**	**Fixed**													**A**						
13	**Humidity sensor type**	**General purpose**	**HUMICAP180R**													**A**					
		Chemical purge	*HUMICAP180RC*													*D*					
		Catalytic humicap sensor	*HUMICAP180VHP*													*J*					
		Catalytic humicap sensor with chemical purge	*HUMICAP180VHPC*													*K*					
14	**Sensor protection**	**PPS plastic grid & stainless steel netting**	*spare: DRW010281SP*														**A**				
		PPS plastic grid	*spare: DRW010276SP*														**B**				
		Sintered stainless steel filter	*spare: HM47280SP*														**C**				
15	**No additional temperature probe**																	**1**			
16	**Installation kit**	**No kit**																	**A**		
17	**Calibration certificate**	**No certificate**																		**1**	
		At room temperature	*standard service calibration: 216989*																	***2***	
																				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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	**1**	**B**	**5**	**A**	**1**	**B**	**C**	**C**	**1**	**4**	**B**	**A**	**A**	**A**	**1**	**A**	**2**

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 June 2016
Order no. _____

HMT313 Humidity and Temperature Transmitter

For general use

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PRICE
Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT310**	**3**			**A**											**1**			
1 Transmitter type	**HMT313**			**3**																	
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h				***B***																
3 Mounting plate	**Standard mounting plate (recommended choice)**					**5**															
	Mounting plate without flange (not for outdoor use)					**6**															
4 Power supply	**24 VDC**						**A**														
5 Analog output signal	**Analog output channel (Ch1&Ch2)**	**4... 20 mA & RS232C**						**1**													
	Analog output channel (Ch1&Ch2)	**0... 20 mA & RS232C**						**2**													
	Analog output channel (Ch1&Ch2)	**1... 5 V & RS232C**						**J**													
	Analog output channel (Ch1&Ch2)	**0... 5 V & RS232C**						**4**													
	Analog output channel (Ch1&Ch2)	**0... 10 V & RS232C**						**5**													
6 Analog output parameters	**No analog outputs**								**A**	**A**											
7 for Ch1 and Ch2	**RH**	**(0... 100%RH)**							**B**	**B**											
	Temperature	**(choose T range below)**							**C**	**C**											
	ppm (0…5000)	**(0…5000)**							**J**	**J**											
	pw (0…1000 hPa)	**(0…14.5 psi)**							**K**	**K**											
	pws (0…1000 hPa)	**(0…14.5 psi)**							**L**	**L**											
	h (-40...1500 kJ/kg)	***(-9.5...+652.6 Btu/lb)***							**M**	**M**											
	Td (-40...100℃)	**(-40...212℉)**							**N**	**N**											
	Tdf (-40...100℃)	**(-40...212℉)**							**P**	**P**											
	a (0...500 g/m3)	**(0...218.5 gr/ft3)**							**Q**	**Q**											
	x (0...500 g/kg d.a)	**(0...3500 gr/lb)**							**R**	**R**											
	Tw (0...100℃)	**(+32...+212℉)**							**S**	**S**											
SPECIAL:		Parameters CH1:_____ CH2:_____							**X**	**X**											
NOTE:		Scale for parameters CH1:_____ CH2:_____																			
- Choose A for both channels			**Ch1**																		
when you don't use analog outputs			**Ch2**																		
8 Analog output range	**No range**										**A**										
for temperature	**-60…+60℃**	**(-76…140℉)**									**B**										
	-40...+60℃	**(-40...+140℉)**									**C**										
	-40...+120℃	**(-40...+248℉)**									**D**										
	-40...+180℃	**(-40...+356℉)**									**E**										
	-20...+60℃	**(-4...+140℉)**									**F**										
	-20...+80℃	**(-4...+176℉)**									**G**										
	-20...+120℃	**(-4...+248℉)**									**H**										
	0...+60℃	**(+32...+140℉)**									**J**										
NOTE:	**0...+100℃**	**(+32...+ 212℉)**									**K**										
- Choose A when T	**0...+120℃**	**(+32...+248℉)**									**M**										
is not desired	**special range : _____ ℃/℉**										**X**										
9 Output units	**Metric**											**1**									
	Non-metric											**2**									
10 Cable connector	*8-pole connector with 5m cable*		*spare 5 m cable: 212142*										*4*								
	8-pole connector with 10 m cable		*spare 10 m cable: 210964SP*										*7*								
	8-pole counter connector												*5*								
11 Operating manual	**No manual**													**A**							
language	**English**													**B**							
	German													**C**							
	Japanese	see latest manuals online: www.vaisala.com/hmt310												**D**							
12 probe cable length	**with 2 m cable, +80℃**														**B**						
	with 5 m cable, +80℃														*C*						
	with 10 m cable, +80℃														*D*						
	with 2 m cable, +120℃														*5*						
	with 5 m cable, +120℃														*6*						
	with 10 m cable, +120℃														*7*						
13 Humidity sensor type	**General purpose**		**HUMICAP180R**													**A**					
	Chemical purge		*HUMICAP180RC*													*D*					
	Catalytic humicap sensor		*HUMICAP180VHP*													*J*					
	Catalytic humicap sensor with chemical purge		*HUMICAP180VHPC*													*K*					
14 Sensor protection	**PPS plastic grid & stainless steel netting**		*spare: DRW010281SP*														**A**				
	PPS plastic grid		*spare: DRW010276SP*														**B**				
	Sintered stainless steel filter		*spare: HM47280SP*														**C**				
15 No additional temperature probe																		**1**			
16 Installation kit	**No kit**																		**A**		
	Duct installation kit		*spare: 210697*																*B*		
	Cable gland Agro, M20x1.5		*spare: HMP247CG*																J		
17 Calibration certificate	**No certificate**																			**1**	
	At room temperature		*standard service calibration: 216989*																	***2***	
																				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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	**3**	**B**	**5**	**A**	**1**	**B**	**C**	**C**	**1**	**4**	**B**	**B**	**A**	**A**	**1**	**B**	**2**

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 June 2016
Order no. _____

HMT314 Humidity and Temperature Transmitter

For pressurized processes

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PRICE
	Vaisala HUMICAP® Humidity and Temperature Transmitter		**HMT310**	**4**			**A**											**1**			
1	**Transmitter type**	**HMT314**		**4**																	
		RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h			***B***																
3	**Mounting plate**	**Standard mounting plate (recommended choice)**				**5**															
		Mounting plate without flange (not for outdoor use)				**6**															
4	**Power supply**	**24 VDC**					**A**														
5	**Analog output signal**	**Analog output channel (Ch1&Ch2)**	**4... 20 mA & RS232C**					**1**													
		Analog output channel (Ch1&Ch2)	**0... 20 mA & RS232C**					**2**													
		Analog output channel (Ch1&Ch2)	**1... 5 V & RS232C**					**J**													
		Analog output channel (Ch1&Ch2)	**0... 5 V & RS232C**					**4**													
		Analog output channel (Ch1&Ch2)	**0... 10 V & RS232C**					**5**													
6	**Analog output parameters**	**No analog outputs**							**A**	**A**											
7	**for Ch1 and Ch2**	**RH**	**(0... 100%RH)**						**B**	**B**											
		Temperature	**(choose T range below)**						**C**	**C**											
		ppm (0…5000)	**(0…5000)**						**J**	**J**											
		pw (0…1000 hPa)	**(0…14.5 psi)**						**K**	**K**											
		pws (0…1000 hPa)	**(0…14.5 psi)**						**L**	**L**											
		h (-40...1500 kJ/kg)	***(-9.5...+652.6 Btu/lb)***						**M**	**M**											
		Td (-40...100°C)	**(-40...212°F)**						**N**	**N**											
		Tdf (-40...100°C)	**(-40...212°F)**						**P**	**P**											
		a (0...500 g/m3)	**(0...218.5 gr/ft3)**						**Q**	**Q**											
		x (0...500 g/kg d.a)	**(0...3500 gr/lb)**						**R**	**R**											
		Tw (0...100°C)	**(+32...+212°F)**						**S**	**S**											
	SPECIAL:	Parameters	CH1:_____ CH2:_____						**X**	**X**											
	NOTE:	Scale for parameters	CH1:_____ CH2:_____																		
	- Choose A for both channels		**Ch1**																		
	when you don't use analog outputs		**Ch2**																		
8	**Analog output range**	**No range**									**A**										
	for temperature	**-60…+60°C**	**(-76…140°F)**								**B**										
		-40...+60°C	**(-40...+140°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**										
		0...+60°C	**(+32...+140°F)**								**J**										
	NOTE:	**0...+100°C**	**(+32...+ 212°F)**								**K**										
	- Choose A when T	**0...+120°C**	**(+32...+248°F)**								**M**										
	is not desired	**special range : _____ °C/°F**									**X**										
9	**Output units**	**Metric**										**1**									
		Non-metric										**2**									
10	**Cable connector**	*8-pole connector with 5m cable*	*spare 5 m cable: 212142*										*4*								
		8-pole connector with 10 m cable	*spare 10 m cable: 210964SP*										*7*								
		8-pole counter connector											*5*								
11	**Operating manual**	**No manual**												**A**							
	language	**English**												**B**							
		German												**C**							
		Japanese	see latest manuals online: www.vaisala.com/hmt310											**D**							
12	**Probe cable length**	**with 2 m cable**													**E**						
		with 5 m cable													*F*						
		with 10 m cable													*G*						
13	**Humidity sensor type**	**General purpose**	**HUMICAP180R**													**A**					
		Chemical purge	*HUMICAP180RC*													*D*					
		Catalytic humicap sensor	*HUMICAP180VHP*													*J*					
		Catalytic humicap sensor with chemical purge	*HUMICAP180VHPC*													*K*					
14	**Sensor protection**	**PPS plastic grid & stainless steel netting**	*spare: DRW010281SP*														**A**				
		PPS plastic grid	*spare: DRW010276SP*														**B**				
		Sintered stainless steel filter	*spare: HM47280SP*														**C**				
15	**No additional temperature probe**																	**1**			
16	**Installation kit**	**Fitting body M22 x 1,5**	*spare: 17223SP*																**K**		
		Fitting body NPT 1/2"	spare: 17225SP																**L**		
17	**Calibration certificate**	**No certificate**																		**1**	
		At room temperature	*standard service calibration: 216989*																	***2***	
																				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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	**4**	**B**	**5**	**A**	**1**	**B**	**C**	**C**	**1**	**4**	**B**	**E**	**A**	**A**	**1**	**K**	**2**

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 June 2016
Order no. _____

HMT315 Humidity and Temperature Transmitter

For high temperatures

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT310**	**5**			**A**											**1**			PRICE
1	**Transmitter type**	**HMT315**			**5**																	
		RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h				***B***																
3	**Mounting plate**	**Standard mounting plate (recommended choice)**					**5**															
		Mounting plate without flange (not for outdoor use)					**6**															
4	**Power supply**	**24 VDC**						**A**														
5	**Analog output signal**	**Analog output channel (Ch1&Ch2)**	**4... 20 mA & RS232C**						**1**													
		Analog output channel (Ch1&Ch2)	**0... 20 mA & RS232C**						**2**													
		Analog output channel (Ch1&Ch2)	**1... 5 V & RS232C**						**J**													
		Analog output channel (Ch1&Ch2)	**0... 5 V & RS232C**						**4**													
		Analog output channel (Ch1&Ch2)	**0... 10 V & RS232C**						**5**													
6	**Analog output parameters**	**No analog outputs**								**A**	**A**											
7	**for Ch1 and Ch2**	**RH**	**(0... 100%RH)**							**B**	**B**											
		Temperature	**(choose T range below)**							**C**	**C**											
		ppm (0…5000)	**(0…5000)**							**J**	**J**											
		pw (0…1000 hPa)	**(0…14.5 psi)**							**K**	**K**											
		pws (0…1000 hPa)	**(0…14.5 psi)**							**L**	**L**											
		h (-40...1500 kJ/kg)	***(-9.5...+652.6 Btu/lb)***							**M**	**M**											
		Td (-40...100℃)	**(-40...212℉)**							**N**	**N**											
		Tdf (-40...100℃)	**(-40...212℉)**							**P**	**P**											
		a (0...500 g/m3)	**(0...218.5 gr/ft3)**							**Q**	**Q**											
		x (0...500 g/kg d.a)	**(0...3500 gr/lb)**							**R**	**R**											
		Tw (0...100℃)	**(+32...+212℉)**							**S**	**S**											
	SPECIAL:	Parameters	CH1:_____	CH2:_____						**X**	**X**											
	NOTE:	Scale for parameters	CH1:_____	CH2:_____																		
	- Choose A for both channels			**Ch1**																		
	when you don't use analog outputs			**Ch2**																		
8	**Analog output range**	**No range**										**A**										
	for temperature	**-60…+60℃**	**(-76…140℉)**									**B**										
		-40...+60℃	**(-40...+140℉)**									**C**										
		-40...+120℃	**(-40...+248℉)**									**D**										
		-40...+180℃	**(-40...+356℉)**									**E**										
		-20...+60℃	**(-4...+140℉)**									**F**										
		-20...+80℃	**(-4...+176℉)**									**G**										
		-20...+120℃	**(-4...+248℉)**									**H**										
		0...+60℃	**(+32...+140℉)**									**J**										
	NOTE:	**0...+100℃**	**(+32...+ 212℉)**									**K**										
	- Choose A when T	**0...+120℃**	**(+32...+248℉)**									**M**										
	is not desired	**special range : _____ ℃/℉**										**X**										
9	**Output units**	**Metric**											**1**									
		Non-metric											**2**									
10	**Cable connector**	*8-pole connector with 5m cable*	*spare 5 m cable: 212142*											*4*								
		8-pole connector with 10 m cable	*spare 10 m cable: 210964SP*											*7*								
		8-pole counter connector												*5*								
11	**Operating manual**	**No manual**													**A**							
	language	**English**													**B**							
		German													**C**							
		Japanese	see latest manuals online: www.vaisala.com/hmt310												**D**							
12	**Probe cable length**	**with 2 m cable**														**H**						
		with 5 m cable														*J*						
		with 10 m cable														*K*						
13	**Humidity sensor type**	**General purpose**	**HUMICAP180R**														**A**					
		Chemical purge	*HUMICAP180RC*														*D*					
		Catalytic humicap sensor	*HUMICAP180VHP*														*J*					
		Catalytic humicap sensor with chemical purge	*HUMICAP180VHPC*														*K*					
14	**Sensor protection**	**PPS plastic grid & stainless steel netting**	*spare: DRW010281SP*															**A**				
		PPS plastic grid	*spare: DRW010276SP*															**B**				
		Sintered stainless steel filter	*spare: HM47280SP*															**C**				
15	**No additional temperature probe**																		**1**			
16	**Installation kit**	**No kit**																		**A**		
		Mounting flange for HMP305	*spare: 210696*																	*D*		
17	**Calibration certificate**	**No certificate**																			**1**	
		At room temperature	*standard service calibration: 216989*																		***2***	
																					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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	**5**	**B**	**5**	**A**	**1**	**B**	**C**	**C**	**1**	**4**	**B**	**H**	**A**	**A**	**1**	**A**	**2**

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

Order form Purchaser ____________

Valid from June 2016
Order no. ____________

HMT317 Humidity and Temperature Transmitter

Standard probe

Item	Selection	Details	Notes	Code
Vaisala HUMICAP® Humidity and Temperature Transmitter			HMT310	7 _ _ A _ _ _ _ _ _ _ _ _ _ 1 _ _ (positions 1–17); PRICE
1 Transmitter type	HMT317			7
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h			*B*
3 Mounting plate	Standard mounting plate (recommended choice)			5
	Mounting plate without flange (not for outdoor use)			6
4 Power supply	24 VDC			A
5 Analog output signal	Analog output channel (Ch1&Ch2)	4... 20 mA & RS232C		1
	Analog output channel (Ch1&Ch2)	0... 20 mA & RS232C		2
	Analog output channel (Ch1&Ch2)	1... 5 V & RS232C		J
	Analog output channel (Ch1&Ch2)	0... 5 V & RS232C		4
	Analog output channel (Ch1&Ch2)	0... 10 V & RS232C		5
6 Analog output parameters (Ch1) / 7 for Ch1 and Ch2 (Ch2)	No analog outputs			A / A
	RH	(0... 100%RH)		B / B
	Temperature	(choose T range below)		C / C
	ppm (0…5000)	(0…5000)		J / J
	pw (0…1000 hPa)	(0…14.5 psi)		K / K
	pws (0…1000 hPa)	(0…14.5 psi)		L / L
	h (-40...1500 kJ/kg)	*(-9.5...+652.6 Btu/lb)*		M / M
	Td (-40...100℃)	(-40...212℉)		N / N
	Tdf (-40...100℃)	(-40...212℉)		P / P
	a (0...500 g/m3)	(0...218.5 gr/ft3)		Q / Q
	x (0...500 g/kg d.a)	(0...3500 gr/lb)		R / R
	Tw (0...100℃)	(+32...+212℉)		S / S
SPECIAL:	Parameters CH1:______________ CH2:_______________			X / X
NOTE: - Choose A for both channels when you don't use analog outputs	Scale for parameters CH1:______________ CH2:_______________			Ch1 / Ch2
8 Analog output range for temperature	No range			A
	-60…+60℃	(-76…140℉)		B
	-40...+60℃	(-40...+140℉)		C
	-40...+120℃	(-40...+248℉)		D
	-40...+180℃	(-40...+356℉)		E
	-20...+60℃	(-4...+140℉)		F
	-20...+80℃	(-4...+176℉)		G
	-20...+120℃	(-4...+248℉)		H
	0...+60℃	(+32...+140℉)		J
NOTE:	0...+100℃	(+32...+ 212℉)		K
- Choose A when T	0...+120℃	(+32...+248℉)		M
is not desired	special range : _________ ℃/℉			X
9 Output units	Metric			1
	Non-metric			2
10 Cable connector	*8-pole connector with 5m cable*		*spare 5 m cable: 212142*	*4*
	8-pole connector with 10 m cable		*spare 10 m cable: 210964SP*	*7*
	8-pole counter connector			*5*
11 Operating manual language	No manual			A
	English			B
	German			C
	Japanese	see latest manuals online: www.vaisala.com/hmt310		D
12 Probe cable length	with 2 m cable			P
	with 5 m cable			*Q*
	with 10 m cable			*R*
13 Humidity sensor type	General purpose		HUMICAP180R	A
	Chemical purge		*HUMICAP180RC*	*D*
	Catalytic humicap sensor		*HUMICAP180VHP*	*J*
	Catalytic humicap sensor with chemical purge		*HUMICAP180VHPC*	*K*
14 Sensor protection	PPS plastic grid & stainless steel netting		*spare: DRW010281SP*	A
	PPS plastic grid		*spare: DRW010276SP*	B
	Sintered stainless steel filter		*spare: HM47280SP*	C
15 No additional temperature probe				1
16 Installation kit	No kit			A
	Duct installation kit		*spare: 210697*	*B*
	ISO 3/8 Swagelok® connector		*spare: SWG12ISO38*	*G*
	NPT 1/2" Swagelok® connector		*spare: SWG12NPT12*	*H*
	Cable gland Agro, M20x1.5		*spare: HMP247CG*	*J*
17 Calibration certificate	No certificate			1
	At room temperature		*standard service calibration: 216989*	*2*

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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	1	B	5	A	1	B	C	C	1	4	B	P	A	A	1	A	2

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 June 2016
Order no. _____

HMT317 Humidity and Temperature Transmitter with warmed probe

For dewpoint measurement at high humidities

	Vaisala HUMICAP® Humidity and Temperature Transmitter																							

VAISALA

Order form
Purchaser _____

Valid from June 2016
Order no. _____

HMT318 Humidity and Temperature Transmitter

For pressurized pipelines

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT310**	**8**			**A**											**1**			PRICE
1 Transmitter type	**HMT318**			**8**																	
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h				***B***																
3 Mounting plate	**Standard mounting plate (recommended choice)**					**5**															
	Mounting plate without flange (not for outdoor use)					**6**															
4 Power supply	**24 VDC**						**A**														
5 Analog output signal	**Analog output channel (Ch1&Ch2)**	**4... 20 mA & RS232C**						**1**													
	Analog output channel (Ch1&Ch2)	**0... 20 mA & RS232C**						**2**													
	Analog output channel (Ch1&Ch2)	**1... 5 V & RS232C**						**J**													
	Analog output channel (Ch1&Ch2)	**0... 5 V & RS232C**						**4**													
	Analog output channel (Ch1&Ch2)	**0... 10 V & RS232C**						**5**													
6 Analog output parameters	**No analog outputs**								**A**	**A**											
7 for Ch1 and Ch2	**RH**	**(0... 100%RH)**							**B**	**B**											
	Temperature	**(choose T range below)**							**C**	**C**											
	ppm (0…5000)	**(0…5000)**							**J**	**J**											
	pw (0…1000 hPa)	**(0…14.5 psi)**							**K**	**K**											
	pws (0…1000 hPa)	**(0…14.5 psi)**							**L**	**L**											
	h (-40...1500 kJ/kg)	***(-9.5...+652.6 Btu/lb)***							**M**	**M**											
	Td (-40...100°C)	**(-40...212°F)**							**N**	**N**											
	Tdf (-40...100°C)	**(-40...212°F)**							**P**	**P**											
	a (0...500 g/m3)	**(0...218.5 gr/ft3)**							**Q**	**Q**											
	x (0...500 g/kg d.a)	**(0...3500 gr/lb)**							**R**	**R**											
	Tw (0...100°C)	**(+32...+212°F)**							**S**	**S**											
SPECIAL:	Parameters	CH1:_____	CH2:_____						**X**	**X**											
NOTE:	Scale for parameters	CH1:_____	CH2:_____																		
- Choose A for both channels			**Ch1**																		
when you don't use analog outputs			**Ch2**																		
8 Analog output range	**No range**										**A**										
for temperature	**-60…+60°C**	**(-76…140°F)**									**B**										
	-40...+60°C	**(-40...+140°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**										
	0...+60°C	**(+32...+140°F)**									**J**										
NOTE:	**0...+100°C**	**(+32...+ 212°F)**									**K**										
- Choose A when T	**0...+120°C**	**(+32...+248°F)**									**M**										
is not desired	**special range : _____ °C/°F**										**X**										
9 Output units	**Metric**											**1**									
	Non-metric											**2**									
10 Cable connector	*8-pole connector with 5m cable*		*spare 5 m cable: 212142*										*4*								
	8-pole connector with 10 m cable		*spare 10 m cable: 210964SP*										*7*								
	8-pole counter connector												*5*								
11 Operating manual	**No manual**													**A**							
language	**English**													**B**							
	German													**C**							
	Japanese	see latest manuals online: www.vaisala.com/hmt310												**D**							
12 Probe cable length	**2 m cable for standard probe**														**S**						
	5 m cable for standard probe														*T*						
	10 m cable for standard probe														*U*						
	2 m cable for long probe														*V*						
	5 m cable for long probe														*W*						
	10 m cable for long probe														*Z*						
13 Humidity sensor type	**General purpose**		**HUMICAP180R**													**A**					
	Chemical purge		*HUMICAP180RC*													*D*					
	Catalytic humicap sensor		*HUMICAP180VHP*													*J*					
	Catalytic humicap sensor with chemical purge		*HUMICAP180VHPC*													*K*					
14 Sensor protection	**PPS plastic grid & stainless steel netting**		*spare: DRW010281SP*														**A**				
	PPS plastic grid		*spare: DRW010276SP*														**B**				
	Sintered stainless steel filter		*spare: HM47280SP*														**C**				
15 No additional temperature probe																		**1**			
16 Installation kit	**Pressure fitting ISO 1/2"**		*spare: DRW212076SP*																**M**		
	Pressure fitting NPT 1/2"		*spare: 212810SP*																**N**		
	Ball valve set (ISO1/2") for HMT318		*spare: BALLVALVE-1*																*E*		
17 Calibration certificate	**No certificate**																			**1**	
	At room temperature		*standard service calibration: 216989*																	***2***	
																				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.

Options and accessories:

238607	*USB Service cable*
ASM211103-A	*Rain Shield*
231865	Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HMT310	**1**	**B**	**5**	**A**	**1**	**B**	**C**	**C**	**1**	**4**	**B**	**S**	**A**	**A**	**1**	**M**	**2**

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 June 2016
Order no. _____

HMT310 Humidity and Temperature Transmitter series
All models

| | | |