

**VAISALA**

Order form
Purchaser

Valid from May 2014
Order no.

HMT311 Humidity and Temperature Transmitter

For wall mounting

[illegible]

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	A	5	A	1	B	C	C	1	4	B	A	A	A	1	A	2

End customer:

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	Transmitter type	HMT313		3															
2	Parameters	RH+T		A															
		RH+T+Td+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)					1												
		Analog output channel (Ch1&Ch2)					2												
		Analog output channel (Ch1&Ch2)					J												
		Analog output channel (Ch1&Ch2)					4												
		Analog output channel (Ch1&Ch2)					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)						J	J										
		pw (0...1000 hPa)						K	K										
		pws (0...1000 hPa)						L	L										
		h (-40...1500 kJ/kg)						M	M										
		Td (-40...100 °C)						N	N										
		Tdf (-40...100 °C)						P	P										
		a (0...500 g/m3)						Q	Q										
		x (0...500 g/kg d.a)						R	R										
		Tw (0...100 °C)						S	S										
		Parameters CH1: _____ CH2: _____						X	X										
		NOTE: Scale for parameters CH1: _____ CH2: _____																	
		- Choose A for both channels																	
		when you don't use analog outputs																	
8	Analog output range for temperature	No range						A	A										
		-60...+60 °C (-76...140 °F)						B	B										
		-40...+60 °C (-40...+140 °F)						C	C										
		-40...+120 °C (-40...+248 °F)						D	D										
		-40...+180 °C (-40...+356 °F)						E	E										
		-20...+60 °C (-4...+140 °F)						F	F										
		-20...+80 °C (-4...+176 °F)						G	G										
		-20...+120 °C (-4...+248 °F)						H	H										
		0...+60 °C (+32...+140 °F)						J	J										
		0...+100 °C (+32...+ 212 °F)						K	K										
		0...+120 °C (+32...+248 °F)						M	M										
		NOTE: - Choose A when T is not desired						X	X										
		special range : _____ °C/°F																	
9	Output units	Metric					1												
		Non-metric					2												
10	Cable connector	8-pole connector with 5m cable									4								
		8-pole connector with 10 m cable									7								
		8-pole counter connector									5								
11	Operating manual language	No manual						A	A										
		English						B	B										
		German						C	C										
		Japanese						D	D										
		see latest manuals online: www.vaisala.com/hmt310																	
12	probe cable length	with 2 m cable, +80 °C										B							
		with 5 m cable, +80 °C										C							
		with 10 m cable, +80 °C										D							
		with 2 m cable, +120 °C										5							
		with 5 m cable, +120 °C										6							
		with 10 m cable, +120 °C										7							
13	Humidity sensor type	General purpose											A						
		Chemical purge											D						
		Catalytic humicap sensor											J						
		Catalytic humicap sensor with chemical purge											K						
14	Sensor protection	PPS plastic grid & stainless steel netting												A					
		PPS plastic grid												B					
		Sintered stainless steel filter												C					
15	No additional temperature probe																		
16	Installation kit	No kit																	
		Duct installation kit																	
		Cable gland Agro, M20x1.5																	
17	Calibration certificate	No certificate																	
		At room temperature																	
		standard service calibration: 216989																	
Selections in bold are included in the prices of the basic versions. Selections in italic are available at an extra price. TOTAL QTY TOTAL VALUE																			

Options and accessories:

238607
ASM211103-A
231865

USB Service cable
Rain Shield
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	A	5	A	1	B	C	C	1	4	B	B	A	A	1	B	2

End customer: _____

For pressurized processes

QTY	UNIT PRICE	TOTAL VALUE
1	100	100
2	200	400
3	300	900
4	400	1600
5	500	2500
6	600	3600
7	700	4900
8	800	6400
9	900	8100
10	1000	10000
11	1100	12100
12	1200	14400
13	1300	16900
14	1400	19600
15	1500	22500
16	1600	25600
17	1700	28900
18	1800	32400
19	1900	36100
20	2000	40000
21	2100	44100
22	2200	48400
23	2300	52900
24	2400	57600
25	2500	62500
26	2600	67600
27	2700	72900
28	2800	78400
29	2900	84100
30	3000	90000
31	3100	96100
32	3200	102400
33	3300	108900
34	3400	115600
35	3500	122500
36	3600	129600
37	3700	136900
38	3800	144400
39	3900	152100
40	4000	160000
41	4100	168100
42	4200	176400
43	4300	184900
44	4400	193600
45	4500	202500
46	4600	211600
47	4700	220900
48	4800	230400
49	4900	240100
50	5000	250000
51	5100	260100
52	5200	270400
53	5300	280900
54	5400	291600
55	5500	302500
56	5600	313600
57	5700	324900
58	5800	336400
59	5900	348100
60	6000	360000
61	6100	372100
62	6200	384400
63	6300	396900
64	6400	409600
65	6500	422500
66	6600	435600
67	6700	448900
68	6800	462400
69	6900	476100
70	7000	490000
71	7100	504100
72	7200	518400
73	7300	532900
74	7400	547600
75	7500	562500
76	7600	577600
77	7700	592900
78	7800	608400
79	7900	624100
80	8000	640000
81	8100	656100
82	8200	672400
83	8300	688900
84	8400	705600
85	8500	722500
86	8600	739600
87	8700	756900
88	8800	774400
89	8900	792100
90	9000	810000
91	9100	828100
92	9200	846400
93	9300	864900
94	9400	883600
95	9500	902500
96	9600	921600
97	9700	940900
98	9800	960400
99	9900	980100
100	10000	1000000

End customer:

For high temperatures

End customer:

End customer:

HMT317 Humidity and Temperature Transmitter with warmed probe

For dewpoint measurement at high humidities

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT310		C	A				A									1	PRICE
1	Transmitter type	HMT317		7															
	Fuel cell model with extended heating			F															
2	Parameters	Td+Td+x		C															
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)						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	Td (-40...100 °C)						N	N										
		Td (-40...100 °C)						P	P										
		x (0...500 g/kg d.a)						R	R										
	SPECIAL:	Parameters CH1: _____ CH2: _____						X	X										
	NOTE:	Scale for parameters CH1: _____ CH2: _____																	
	- Choose A for both channels when you don't use analog outputs																		
8	No temperature output								A										
9	Output units	Metric																	
	Non-metric																		
10	Cable connector	8-pole connector with 5m cable																	
	8-pole connector with 10 m cable																		
	8-pole counter connector																		
11	Operating manual language	No manual																	
	English																		
	German																		
	Japanese																		
	see latest manuals online: www.vaisala.com/hmt310																		
12	Probe cable length	with 2 m cable																	
	with 5 m cable																		
	with 10 m cable																		
13	Humidity sensor type	Chemical purge																	
	Start-up purge only																		
	No purge																		
	Catalytic humicap sensor with chemical purge																		
14	Sensor protection	PPS plastic grid & stainless steel netting																	
	PPS plastic grid																		
	Sintered stainless steel filter																		
	Membrane SST filter																		
15	No additional temperature probe																		
16	Installation kit	No kit																	
	Duct installation kit																		
	ISO 3/8 Swagelok® connector																		
	NPT 1/2" Swagelok® connector																		
	Cable gland Agro, M20x1.5																		
17	Calibration certificate	No certificate																	
	At room temperature																		
	standard service calibration: 216989																		
																		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	A	5	A	1	B	C	C	1	4	B	P	F	A	1	A	2

End customer: _____

For pressurized pipelines

End customer:

**VAISALA**

Order form
Purchaser

Valid from May 2014
Order no.

HMT310 Humidity and Temperature Transmitter series

All models

[illegible]

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

ITEM	QTY	TOTAL VALUE
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
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49	49	49
50	50	50
51	51	51
52	52	52
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57	57	57
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67	67	67
68	68	68
69	69	69
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72	72	72
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74	74	74
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76	76	76
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80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Options and accessories:
238607
ASM211103-A
231865

USB Service cable
Rain Shield
Vaporized hydrogen peroxide (VHP) filter

Example of order code with typical settings:

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	A	5	A	1	B	C	C	1	4	B	A	A	A	1	A	2

End customer: