

Order form
Orderer

Valid from December 2015

Order no.

MMT317 Moisture and Temperature Transmitter

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Vaisala HUMICAP® Moisture and Temperature Transmitter for Oil		MMT310				A									2	1	2			
1. Probe code	MMT317	small pressure tight probe	7																	
2. Transmitter type		aw+T				F														
		aw+T+ppm			for mineral transformer oil only	M														
		%RS + T + ppm			mineral transformer oil only	P														
		<i>aw+T+ppm**)</i>			<i>specific transformer oil type: _____</i>	X														
3. Mounting		Mounting plate (72.5 x 115 mm)					5													
4. Power supply		no (24 VDC)						A												
5. Signal output		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 signals		Analog outputs disabled									A		A							
7. for Ch1 and Ch2		Temperature (choose range in next section)								C		C								
		aw (0...1)	(0...1)								T		T							
		ppm (0...100)	(0...100)								U		U							
		%RS (0..100)	(0..100)								W		W							
SPECIAL:	Define quantity for CH1: _____	CH2: _____									X		X							
	Define scale for CH1: _____	CH2: _____																		
NOTE:	- Choose A for both channels if you don't use analog outputs																			
						Ch1														
						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
NOTE:		0...+60 °C	(+32...+140 °F)																	J
- Choose A when T		0...+100 °C	(+32...+ 212 °F)																	K
is not desired		special																		X
9. Output units		metric																		1
		non-metric																		2
10. Interface connection		Connector (M12, 8-pin), no plug																		0
		<i>Connector (M12, 8 pin) and plug with 5 m cable</i>																		4
		<i>Connector (M12, 8 pin) and plug with 10 m cable</i>																		7
		<i>Connector (M12, 8 pin) and plug with screw terminals</i>																		5
11. Operating manual language		no manual																		A
		english																		B
		<i>see latest manual online: www.vaisala.com/mmt310</i>																		
12. Probe		with 0.5 m cable																		X
		with 2 m cable																		P
		<i>with 5 m cable</i>																		Q
		<i>with 10 m cable</i>																		R
13. Moisture sensor type		special sensor for fluids																		2
14. Sensor protection in probe		stainless steel grid (for applications with high flow speed, >1 m/s)																		E
		stainless steel grid (standard)																		F
15. Special features		none																		1
16. Installation kit		<i>Swagelok ISO 1/2"</i>																		K
		<i>Swagelok NPT 1/2"</i>																		N
		<i>Swagelok ISO 3/8"</i>																		V
17. Calibration certificate		calibration at room temperature																		2

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 Rain Shield

Example of order code with typical settings:
MMT310 7 F 5 A 1 C T K 1 4 B P 2 F 1 K 2

End customer:

***) Check the availability and special delivery time from your local Vaisala representative.
This model is always needed with silicone base

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			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Vaisala HUMICAP® Moisture and Temperature Transmitter for Oil			MMT310	8		A									2	1	2		
1. Probe code	MMT318	for pressurized pipelines		8															
2. Transmitter type		aw+T					F												
		aw+T+ppm	for mineral transformer oil only				M												
		%RS + T + ppm	mineral transformer oil only				P												
		aw+T+ppm**)	specific transformer oil type: _____				X												
3. Mounting		Mounting plate (72.5 x 115 mm)					5												
4. Power supply			no (24 VDC)				A												
5. Signal output		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 signals		Analog outputs disabled					A	A											
7. for Ch1 and Ch2		Temperature (choose range in next section)					C	C											
		aw (0...1)	(0...1)				T	T											
		ppm (0...100)	(0...100)				U	U											
		%RS (0..100)	(0..100)				W	W											
SPECIAL:	Define quantity for CH1: _____	CH2: _____					X	X											
	Define scale for CH1: _____	CH2: _____																	
NOTE:	- Choose A for both channels if you don't use analog outputs					Ch1													
						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												
NOTE:		0...+60 °C	(+32...+140 °F)				J												
- Choose A when T		0...+100 °C	(+32...+ 212 °F)				K												
is not desired		special					X												
9. Output units		metric																	1
		non-metric																	2
10. Interface connection		Connector (M12, 8-pin), no plug																	0
		Connector (M12, 8 pin) and plug with 5m cable				spare 5 m cable: 212142													4
		Connector (M12, 8 pin) and plug with 10 m cable				spare 10 m cable: 210964SP													7
		Connector (M12, 8 pin) and plug with screw terminals																	5
11. Operating manual language		no manual																	A
		english				see latest manual online: www.vaisala.com/mmt310													B
12. Probe type		226 mm probe	with 2 m cable																S
		226 mm probe	with 5 m cable																T
		226 mm probe	with 10 m cable																U
		448 mm probe	with 2 m cable																V
		448 mm probe	with 5 m cable																W
		448 mm probe	with 10 m cable																Z
13. Moisture sensor type		special sensor for fluids				spare: HUMICAP180L2													2
14. Sensor protection in probe		stainless steel grid (for applications with high flow speed, >1 m/s)				spare: 220752SP													E
		stainless steel grid (standard)				spare: HM47453SP													F
15. Special features		none																	1
16. Installation kit		ball valve set				spare: BALLVALVE-1													E
		fitting body ISO1/2, no leak screw				spare: DRW212076SP													G
		fitting body NPT1/2, no leak screw				spare: 212810SP													H
17. Calibration certificate		calibration at room temperature				standard service calibration: 216989													2

Selections in bold are included in the prices of the basic versions.
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Options and accessories: Example of order code with typical settings:
238607 USB Se5(u)7.55609(d)7.55(t)-0.509972(i)-10.0918(n)-1.02561(g)-1.02561(s)-10.6074(;):278.003T /R13 5.1616 Tl -119.88 -7.2 8A2(p)-1.0: