



VAISALA

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	7			A									
1. Probe code	MMT317	small pressure tight probe			7												
2. Transmitter type	aw+T																
	aw+T+ppm for mineral transformer oil only																
	%RS + T + ppm mineral transformer oil only																
	aw+T+ppm**) specific transformer oil type: _____																
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 5 m 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	with 0.5 m cable										X						
	with 2 m cable										P						
	with 5 m cable										Q						
	with 10 m cable										R						
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																
16. Installation kit	Swagelok ISO 1/2"				spare: SWG12ISO12											K	
	Swagelok NPT 1/2"				spare: SWG12NPT12											N	
	Swagelok ISO 3/8"				spare: SWG12ISO38											V	
17. Calibration certificate	calibration at room temperature				standard service calibration: 216989												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:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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 based transformer oils.



VAISALA

Order form
Orderer _____

Valid from December 2015

Order no. _____

MMT318 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																	
1. Probe code	MMT318	for pressurized pipelines	8														
2. Transmitter type	aw+T																
	aw+T+ppm	for mineral transformer oil only															
	%RS + T + ppm	mineral transformer oil only															
	aw+T+ppm**)	specific transformer oil type: _____															
3. Mounting	Mounting plate (72.5 x 115 mm)																
4. Power supply	no (24 VDC)																
5. Signal output	Analog output channel (Ch1&Ch2) 4... 20 mA & RS232C																
	Analog output channel (Ch1&Ch2) 0... 20 mA & RS232C																
	Analog output channel (Ch1&Ch2) 1... 5 V & RS232C																
	Analog output channel (Ch1&Ch2) 0... 5 V & RS232C																
	Analog output channel (Ch1&Ch2) 0... 10 V & RS232C																
6. Analog output signals	Analog outputs disabled																
7. for Ch1 and Ch2	Temperature (choose range in next section)																
	aw (0...1)	(0...1)															
	ppm (0...100)	(0...100)															
	%RS (0...100)	(0...100)															
SPECIAL:	Define quantity for CH1: _____ CH2: _____																
	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																
for temperature	-60...+60 °C (-76...+140 °F)																
	-40...+60 °C (-40...+140 °F)																
	-40...+120 °C (-40...+248 °F)																
	-40...+180 °C (-40...+356 °F)																
	-20...+60 °C (-4...+140 °F)																
	-20...+80 °C (-4...+176 °F)																
	-20...+120 °C (-4...+248 °F)																
NOTE:	0...+60 °C (+32...+140 °F)																
	0...+100 °C (+32...+ 212 °F)																
	special																
9. Output units	metric																
	non-metric																
10. Interface connection	Connector (M12, 8-pin), no plug																
	Connector (M12, 8 pin) and plug with 5m cable spare 5 m cable: 212142																
	Connector (M12, 8 pin) and plug with 10 m cable spare 10 m cable: 210964SP																
	Connector (M12, 8 pin) and plug with screw terminals																
11. Operating manual language	no manual																
	english see latest manual online: www.vaisala.com/mmt310																
12. Probe type	226 mm probe with 2 m cable																
	226 mm probe with 5 m cable																
	226 mm probe with 10 m cable																
	448 mm probe with 2 m cable																
	448 mm probe with 5 m cable																
	448 mm probe with 10 m cable																
13. Moisture sensor type	special sensor for fluids spare: HUMICAP180L2																
14. Sensor protection in probe	stainless steel grid (for applications with high flow speed, >1 m/s) spare: 220752SP																
	stainless steel grid (standard) spare: HM47453SP																
15. Special features	none																
16. Installation kit	ball valve set spare: BALLVALVE-1																
	fitting body ISO1/2, no leak screw spare: DRW212076SP																
	fitting body NPT1/2, no leak screw spare: 212810SP																
17. Calibration certificate	calibration 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.

Options and accessories:
238607 USB Service cable
ASM211103 Rain Shield

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MMT310	8	F	5	A	1	C	T	K	1	4	B	S	2	F	1	E	2

End customer: _____

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