



Order form  
Orderer \_\_\_\_\_

Valid from August 2014  
Order no. \_\_\_\_\_

### MMT317 Moisture and Temperature Transmitter

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Vaisala HUMICAP® Moisture and Temperature Transmitter for Oil</b>		<b>MMT310</b>	<b>7</b>					<b>A</b>										
1. Probe code	MMT317 small pressure tight probe		7															
2. Transmitter type	aw+T aw+T+ppm for mineral transformer oil only aw+T+ppm** specific transformer oil type: _____							F M 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 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									1 2 J 4 5								
6. Analog output signals	Analog outputs disabled								A									
7. for Ch1 and Ch2	Temperature (choose range in next section) aw (0...1) (0...1) ppm (0...100) (0...100)								C T U X									
SPECIAL:	Define quantity for CH1: _____ CH2: _____ Define scale for CH1: _____ CH2: _____								X X									
NOTE:	- Choose A for both channels if you don't use analog outputs																	
8. Analog output range for temperature	No range -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) 0...+60 °C (+32...+140 °F) 0...+100 °C (+32...+ 212 °F) special								A B C D E F G H J K X									
NOTE:	- Choose A when T is not desired																	
9. Output units	metric non-metric									1 2								
10. Interface connection	Connector (M12, 8-pin), no plug Connector (M12, 8 pin) and plug with 5 m 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										0 4 7 5							
11. Operating manual language	no manual english see latest manual online: www.vaisala.com/mmt310												A B					
12. Probe	with 0.5 m cable with 2 m cable with 5 m cable with 10 m cable													X P Q 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 stainless steel grid (standard) spare: HM47453SP													E F				
15. Special features	none																	
16. Installation kit	Swagelok ISO 1/2" spare: SWG12ISO12 Swagelok NPT 1/2" spare: SWG12NPT12 Swagelok ISO 3/8" spare: SWG12ISO38																	K N 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.

TOTAL	
QTY	
TOTAL VALUE	

**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.



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### MMT318 Moisture and Temperature Transmitter

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	PRICE
<b>Vaisala HUMICAP® Moisture and Temperature Transmitter for Oil</b>		<b>MMT310</b>	<b>8</b>		<b>A</b>														
1. Probe code	MMT318 for pressurized pipelines		<b>8</b>																
2. Transmitter type	aw+T aw+T+ppm for mineral transformer oil only aw+T+ppm***) specific transformer oil type: _____				<b>F</b> <b>M</b> <b>X</b>														
3. Mounting	Mounting plate (72.5 x 115 mm)			<b>5</b>															
4. Power supply	no (24 VDC)					<b>A</b>													
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							<b>1</b> <b>2</b> <b>J</b> <b>4</b> <b>5</b>											
6. Analog output signals	Analog outputs disabled							<b>A</b>	<b>A</b>										
7. for Ch1 and Ch2	Temperature (choose range in next section) aw (0...1) (0...1) ppm (0...100) (0...100)							<b>C</b> <b>T</b> <b>U</b> <b>U</b>	<b>C</b> <b>T</b> <b>U</b> <b>U</b>										
SPECIAL:	Define quantity for CH1: _____ CH2: _____ Define scale for CH1: _____ CH2: _____							<b>X</b>	<b>X</b>										
NOTE:	- Choose A for both channels if you don't use analog outputs																		
8. Analog output range for temperature	No range -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: - Choose A when T is not desired 0...+60 °C (+32...+140 °F) 0...+100 °C (+32...+ 212 °F) special								<b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b> <b>G</b> <b>H</b> <b>J</b> <b>K</b> <b>X</b>										
9. Output units	metric non-metric									<b>1</b> <b>2</b>									
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										<b>0</b> <b>4</b> <b>7</b> <b>5</b>								
11. Operating manual language	no manual english see latest manual online: www.vaisala.com/mmt310								<b>A</b> <b>B</b>										
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												<b>S</b> <b>T</b> <b>U</b> <b>V</b> <b>W</b> <b>Z</b>						
13. Moisture sensor type	special sensor for fluids spare: HUMICAP180L2												<b>2</b>						
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													<b>E</b> <b>F</b>					
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																	<b>E</b> <b>G</b> <b>H</b>	
17. Calibration certificate	calibration at room temperature standard service calibration: 216989																	<b>2</b>	
																		TOTAL	
																		QTY	
																		TOTAL VALUE	

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<b>MMT310</b>	<b>8</b>	<b>F</b>	<b>5</b>	<b>A</b>	<b>1</b>	<b>C</b>	<b>T</b>	<b>K</b>	<b>1</b>	<b>4</b>	<b>B</b>	<b>S</b>	<b>2</b>	<b>F</b>	<b>1</b>	<b>E</b>	<b>2</b>

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