



VAISALA

Order form
Orderer _____

Valid from April 2021
Order no. _____

MMT330 Moisture and Temperature Transmitter Series for Oil

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Moisture and Temperature Transmitter		MMT330		0																		1	
1	Transmitter type	for pressurized processes with flange for tight installations for pressurized pipelines		2 7 8																			
2	Probe cable length	2 m cable 5 m cable 10 m cable 2m cable 5 m cable 10 m cable 20 m cable 2 m cable for 232 mm probe 5 m cable for 232 mm probe 10 m cable for 232 mm probe 2 m cable for 454 mm probe 5 m cable for 454 mm probe 10 m cable for 454 mm probe 15 m cable for 454 mm probe 20 m cable for 454 mm probe		MMT332 MMT337 MMT338		B C D S T U V W X Y Z																	
3	-----	None		0																			
4	Measurement parameters	aw+T aw+T+ppm %RS + ppm + T aw+T+ppm		ppm for mineral transformer oil only ppm for mineral transformer oil only specific transformer oil		E F G X																	
5	Display	None Graphical display with keypad		0 1																			
6	Power supply	10...35 VDC; 24 VAC 10...35 VDC; 24 VAC with galvanic isolation Universal AC -power (100...240 VAC) Universal AC -power (100...240 VAC) + US -power cord Universal AC -power (100...240 VAC) + EUR -power cord Universal AC -power (100...240 VAC) + UK -power cord Universal AC -power (100...240 VAC) + AUS -power cord				0 1 2 3 4 5 6																	
7	Analog output	4...20 mA 0...20 mA 0...1 V 0...5 V 0...10 V				1 2 3 4 5																	
	Analog output parameter and scaling for Ch1&Ch2(&Ch3)	None T aw (0...1) ppm (0...100) ppm (0...500) %RS SPECIAL Define parameter (unit) for Ch1: () Ch2: () Optional Ch3: () Define scale for Ch1: Ch2: Optional Ch3:		(range: see below) (0...1) (0...100) (0...500) (0...100)		C P Q R X X X X																	
8																							
9																							
10																							
11	Analog output range for temperature NOTE: - Choose option A, if no T output is desired	None -40...+60°C -40...+80°C -40...+120°C -40...+180°C -20...+60°C -20...+80°C -20...+120°C -20...+180°C 0...+60°C 0...+100°C 0...+120°C 0...+180°C -60...+60 °C special		(-40...+140°F) (-40...+176°F) (-40...+248°F) (-40...+356°F) (-4...+140°F) (-4...+176°F) (-4...+248°F) (-4...+356°F) (+32...+140°F) (+32...+212°F) (+32...248°F) (+32...356°F) (-76...+140°F) ;		A B C D E F G H J K L M N P X																	
12	Output units	Metric Non-metric		1 2																			
13	Additional feature	None Relay output RS-485 serial interface (galvanically isolated) Data logging module*)		0 1 2 6																			
14	Additional feature 2	None Relay output 3rd Analog output Data logging module*)		Choose also analog output signal for Ch3 0 1 3 6																			
15	Interface cable connection	Cable gland M20*1.5 Conduit fitting NPT1/2" Connector (M12, 8 pin) and plug with 5m cable Connector (M12, 8 pin) and plug (screw terminal)		Standard connection: analog outputs CH1 and CH2, Serial line and operating voltage 10...35 V, 24VAC Standard connection: analog outputs CH1 and CH2, Serial line and operating voltage 10...35 V, 24VAC		A B C D																	
16	Transmitter housing installation	Wall Mounting Wall mounting plate (compatible with US junction boxes) Pipe / pole installation Pipe / pole installation with rain shield DIN-rail installation				0 1 2 3 4																	
17	Humidity sensor	Special sensor for fluids				2																	
18	Sensor protection	Stainless steel grid (standard) Stainless steel grid (for applications with high flow speed, >1 m/s)				D E																	
19	Probe installation accessories	None Swagelok connector NPT 1/2" Swagelok connector ISO 3/8" Swagelok connector ISO 1/2" Ball Valve ISO1/2 with welding joint Pressure fitting NPT1/2 Pressure fitting ISO 1/2 Ball Valve ISO1/2 with thread joint ISO3/4 Ball Valve ISO1/2 with ISO1/2 and NPT1/2 fitting bodies		for MMT337 for MMT337 for MMT337 for MMT338 for MMT338 for MMT338 for MMT338		A K L Y M N V Z 3																	
20	User's guide	None English German French Finnish Swedish Chinese Japanese				A B C D E F V J																	
21	PC accessories	None MITOLINK software for Windows® with RS232 service cable Service cable for PC, USB				A C D																	
22	Calibration	ISO9001 compliant factory calibration																					
23	Additional maintenance	No maintenance and repair contract																					

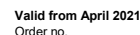
*) Choose data logging module only once (option 13 or 14)

Selections in bold are included in the prices of the basic versions.
Selections in *italics* are available at an extra price.

Example of order code with typical settings:

MMT330

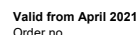
End customer: _____



TOTAL	
QTY	
TOTAL VALUE	

MMT330	2	B	0	E	1	2	1	P	C	A	L	1	1	1	A	0	2	D	A	B	A	A	1
--------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

End customer:



End customer:



VAISALA

Order form
Orderer _____

Valid from April 2021
Order no. _____

MMT338 Moisture and Temperature Transmitter for Oil
For Pressurized Pipelines

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vaisala HUMICAP® Humidity and Temperature Transmitter		MMT330	8	0																				PRICE
1 Transmitter type	MMT338	8																						
2 Probe cable length	2 m cable for standard probe 5 m cable for standard probe 10 m cable for standard probe 2 m cable for long probe 5 m cable for long probe 10 m cable for long probe 15 m cable for long probe 20 m cable for long probe	V W X 1 2 3 5 9																						
3 -----	None	0																						
4 Measurement parameters	aw+T+ppm ppm for mineral transformer oil only %RS + ppm + T ppm for mineral transformer oil only aw+T+ppm specific transformer oil oil type:	E F G X																						
5 Display	No display Graphical display with keypad	0 1																						
6 Power supply	10...35 VDC 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC -power (100...240 VAC) Universal AC -power (100...240 VAC) + US -power cord Universal AC -power (100...240 VAC) + EUR -power cord Universal AC -power (100...240 VAC) + UK -power cord Universal AC -power (100...240 VAC) + AUS -power cord	0 1 2 3 4 5 6																						
7 Analog output	4... 20 mA 0... 20 mA 0... 1 V 0... 5 V 0... 10 V	1 2 3 4 5																						
Analog output parameter and scaling for Ch1&Ch2(&Ch3)	No 3rd analog output T (range: see below) aw (0...1) (0...1) ppm (0...100) (0...100) ppm (0...500) (0...500) %RS (0...100) SPECIAL Define parameter (unit) for Ch1: () Ch2: () Optional Ch3: () Define scale for Ch1: Ch2: Optional Ch3:	C P Q R 4 X X X																						
8																								
9																								
10																								
11 Analog output range for temperature	None -40...+60°C (-40...+140°F) NOTE: -40...+80°C (-40...+176°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) -20...+180°C (-4...+356°F) 0...+60°C (+32...+140°F) 0...+100°C (+32...+212°F) 0...+120°C (+32...248°F) 0...+180°C (+32...356°F) -60...+60 °C (-76...+140°F) SPECIAL °C / F	A B C D E F G H J K L M N P X																						
12 Output units	Metric Non-metric	1 2																						
13 Additional feature	None Relay output RS-485 galvanic isolation Data logging module*)	0 1 2 6																						
14 Additional feature 2	None Relay output 3rd Analog output Choose also analog output signal for Ch3 Data logging module*)	0 1 3 6																						
15 Interface cable connection	Cable gland (for 8...11mm cable) Conduit fitting for wire conduit (NPT1/2") Connector (M12, 8 pin) and plug with 5m cable spare cable: 212142 Connector (M12, 8 pin) and plug (screw terminal) spare connector: 212416	A B C D																						
16 Transmitter housing installation	Wall Mounting Wall mounting plate (compatible with US junction boxes) item: 214829 Pipe / pole installation item: 215108 Pipe / pole installation with rain shield item: 215109 DIN-rail installation item: 215094	0 1 2 3 4																						
17 Sensor	Special sensor for fluids spare sensor: HUMICAP180L2	2																						
18 Sensor protection	Stainless steel grid (standard) spare: HM47453SP Stainless steel grid (for applications with high flow speed, >1 m/s) spare: 220752SP	D E																						
19 Probe installation accessories	Ball Valve ISO 1/2 with welding joint Ball Valve ISO 1/2 with thread joint ISO 3/4 Pressure fitting NPT1/2 Pressure fitting ISO 1/2 Ball Valve ISO 1/2 with ISO 1/2 and NPT1/2 fitting bodies	M Z N V 3																						
20 User's guide	None English German French Finnish Swedish Chinese Japanese	A B C D E F V J																						
21 PC accessories	None M170LINK software for Windows® with RS232 service cable item: 215005 Service cable for PC, USB item: 219685	A C D																						
22 Calibration	ISO9001 compliant factory calibration standard service calibration: 223304	A																						
23 -----	None	1																						

*) Choose data logging module only once (option 13 or 14)

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.

Example of order code with typical settings:

MMT330 8 V 0 E 1 2 1 P C A L 1 1 1 A 0 2 D M B A A 1

End customer: _____