

**VAISALA**

Order form
Orderer

Valid from April 2021
Order no.

MMT330 Moisture and Temperature Transmitter Series for Oil

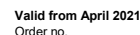
Vaisala HUMICAP® Moisture and Temperature Transmitter			MMT330	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Transmitter type	MMT332 MMT337 MMT338	for pressurized processes with flange for tight installations for pressurized pipelines	2 7 8																							
2	Probe cable length	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 1 2 3 5 9																						
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 sw (0...1) ppm (0...100) ppm (0...500) %RS	(range: see below) (0...1) (0...100) (0...500) (0...100)		C P Q R 4 X																						
	SPECIAL	Define parameter (unit) for Ch1: () Ch2: () Optional Ch3: () Define scale for Ch1: Ch2: Optional Ch3:			X X X																						
8																											
9																											
10																											
11	Analog output range for temperature	None -40...+60°C NOTE: -40...+60°C - Choose option A, if no T output is desired -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...80 °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																									
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 threaded 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																						
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 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)																											
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:

[illegible]

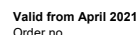
End customer:



	TOTAL QTY	TOTAL VALUE
1		

MMT330	2	B	0	E	1	2	1	P	C	A	L	1	1	1	A	0	2	D	A	B	A	A	1
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End customer:



End customer:



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Orderer _____

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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)

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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: _____