

# VAISALA

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## HMT361 Humidity and Temperature Transmitter For wall mounting

Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	1	2	4	2	4	0	P	CE
Transmitter unit	1 Transmitter type	HMT361	1							
	2 Parameters	RH+T RH+T+Td+a+Tw+x	A D							
	3 Display	No display Display on transmitter cover	1							
	4 Number of analog outputs	1 analog output channel (Ch1) analog output channels (Ch Ch	4... 20 mA mA	1						
	5 Parameter and scaling for	No analog output								
	6 analog output (Ch1 & Ch2)	RH (0... 100%RH) T (choose range in next section) Td (-40...+60 °C) (-40...+140 °F) a (0... 160g/m3) (0...70gr/ft3) Tw (0...+60 °C) (+32...+140 °F) x (0...160g/kg d.a) (0...1120gr/lb) Special: Define quantity for . Define scale for .								
	NOTE:	- Td, a, Tw and x are only available with parameter selection D - If only one analog output has been chosen, choose A for Ch2								
	7 Analog output range for temperature	-40...+60 °C (-40...+140 °F) -20...+60 °C (-4...+140 °F) 0...+60 °C (+32...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -40...+80 °C (-40...+176 °F) -40...+120 °C (-40...+248 °F) 0...+100 °C (+32...+212 °F) -20...+180 °C (-4...+356 °F) -40...+180 °C (-40...+356 °F) 0...+180 °C (+32...+356 °F) Special								
	8 Output units	Metric Non-metric		1 2						
	9 Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" for re conduits Cable gland M20x1.5 for cable diameters 10 ... 15 mm								
	10 Ex certification and issuer	ATEX 100a 94/9/EC (VTT), Ex ia IIC T4 IECEx (VTT), Ex ia IIC T4 Factory Mutual (USA) CSA (Canada) TIIS (Japan) TR CU (EAC) KOSHA (Korea)								
	11 User's guide	English German French Finnish Swedish Japanese Russian Chinese Korean								
	12 Probe and cable length	HMP361 max +60 °C								
	13 Sensor type	HUMICAP 180R								
	14 (blank)									
	15 Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter	spare DRW spare DRW spare HM spare HM	SP SP SP SP						
16 Probe installation accessories	None									

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

Installation accessories	
Function selector	2 24
Bracket	2 4
Protection Cover	2 4
Terminal block	2

Example of order code with typical settings:

HMT360 1 A 2 2 B C A 1 A 2 B A 5 A 1 0

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# HMT363 Humidity and Temperature Transmitter

## For general use

Vaisala HUMICAP® Humidity and Temperature Transmitter

HMT360 <sup>2</sup> <sup>4</sup> <sup>2</sup> <sup>4</sup> **5 A** P CE

1 Transmitter type	HMT363
2 Parameters	RH+T RH+T+Td+a+Tw+x
3 Display	No display <i>Display on transmitter cover</i>
4 Number of analog outputs	1 analog output channel (Ch1) <i>analog output channels (Ch Ch</i>
5 Parameter and scaling for 6 analog output (Ch1 & Ch2)	No analog output RH (0... 100%RH) T (choose range in next section) Td (-40...100 °C) (-40...212 °F) a (0...500g/m3) (0...218.5gr/ft3) Tw (0...100 °C) (+32...+212 °F) x (0...500g/kg d.a) (0...3500gr/lb)
Special: Define quantity for . Define scope for .	C . C 2 . C . C 2 .

3	A	
	D	
		1
4... 20 mA		1
mA		
	A	
	B	
	C	
	H	
	J	
	K	
	L	
	X	

**NOTE:**

- Td, a, Tw and x are only available with parameter selection D
- If only one analog output has been chosen, choose A for Ch2

**7 Analog output range for temperature**

- If no temperature output is desired, choose A

-40...+60 °C	(-40...+140 °F)
-20...+60 °C	(-4...+140 °F)
0...+60 °C	(+32...+140 °F)
-20...+80 °C	(-4...+176 °F)
-20...+120 °C	(-4...+248 °F)
-40...+80 °C	(-40...+176 °F)
-40...+120 °C	(-40...+248 °F)
0...+100 °C	(+32...+ 212 °F)
-20...+180 °C	(-4...+356 °F)
-40...+180 °C	(-40...+356 °F)
0...+180 °C	(+32...+356 °F)
Special	

Ch1	
Ch2	A
	B
	C
	D
	E
	F
	G
	H
	J
	K
	L

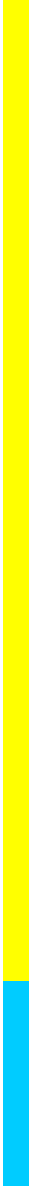


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Order no. 2  
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## HMT365 Humidity and Temperature Transmitter

For high temperatures



# VAISALA

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Order no.   
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## HMT367 Humidity and Temperature Transmitter For high humidities



Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	7	2	4	2	4	5	A	P	CE
Transmitter unit	1 Transmitter type	HMT367	7	A							
	2 Parameters	RH+T RH+T+Td+a+Tw+x	D								
	3 Display	No display <i>Display on transmitter cover</i>	1								
	4 Number of analog outputs	1 analog output channel (Ch1) <i>analog output channels (Ch Ch mA)</i>	4... 20 mA	1							
	5 Parameter and scaling for	No analog output									
	6 analog output (Ch1 & Ch2)	RH (0... 100%RH) T (choose range in next section) Td (-40...+100 °C) (-40...+212 °F) a (0...500g/m3) (0...218.5gr/ft3) Tw (0...+100 °C) (+32...+212 °F) x (0...500g/kg d.a) (0...3500gr/lb) Special: Define quantity for . Define scope for .									
	NOTE:	- Td, a, Tw and x are only available with parameter selection D - If only one analog output has been chosen, choose A for Ch2									
	7 Analog output range for temperature	-40...+60 °C (-40...+140 °F) -20...+60 °C (-4...+140 °F) 0...+60 °C (+32...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -40...+80 °C (-40...+176 °F) -40...+120 °C (-40...+248 °F) 0...+100 °C (+32...+212 °F) -20...+180 °C (-4...+356 °F) -40...+180 °C (-40...+356 °F) 0...+180 °C (+32...+356 °F) Special									
	8 Output units	Metric Non-metric									
	9 Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" for re conduits Cable gland M20x1.5 for cable diameters 10 ... 15 mm									
Probe	10 Ex certification and issuer	ATEX 100a 94/9/EC (VTT), Ex ia IIC T4 IECEx (VTT), Ex ia IIC T4 Factory Mutual (USA) CSA (Canada) TIIS (Japan) TR CU (EAC) KOSHA (Korean)									
	11 User's guide	English German French Finnish Swedish Japanese Russian Chinese Korean									
	12 Probe and cable length	2 m cable <i>m cable</i> <i>m cable</i>									
	13 Sensor type	HUMICAP 180R									
	14 (blank)										
	15 Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter Membrane SST filter (for fuel cells)	<i>spare DRW</i> <i>spare DRW</i> <i>spare HM</i> <i>spare HM</i> <i>spare</i>	<i>SP</i> <i>SP</i> <i>SP</i> <i>SP</i> <i>SP</i>							
	16 Probe installation accessories	None Duct installation kit Cable Gland ACRO Swagelok NPT Swagelok ISO	<i>spare</i> <i>spare HMP</i> <i>spare SWG</i> <i>spare SWG</i>	<i>CG</i> <i>NPT</i> <i>ISO</i>							

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

Installation accessories	Price
Incisor	2 24
Encoder	2 4
Protected Cover	2 4
Panel	2

Example of order code with typical settings:

HMT360 7 A 2 2 B C A 1 A 2 B V 5 A 1 M

End customer: \_\_\_\_\_

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## HMT368 Humidity and Temperature Transmitter For pressurized pipelines



Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	8	2	4	2	4	5	A	P	CE
Transmitter unit	1 Transmitter type	HMT368	8								
	2 Parameters	RH+T RH+T+Td+a+Tw+x	A D								
	3 Display	no display <i>display on transmitter cover</i>	1								
	4 Number of analog outputs	1 analog output channel (Ch1) <i>analog output channels (Ch Ch mA)</i>	4... 20 mA	1							
	5 Parameter and scaling for	No analog output									
	6 analog output (Ch1 & Ch2)	RH (0... 100%RH) Temperature (choose range in next section)									
		Td (-40...+100 °C) (-40...+212 °F)	H								
		a (0...500g/m3) (0...218.5gr/ft3)	J								
		Tw (0...+100 °C) (+32...+212 °F)	K								
		x (0...500g/kg d.a) (0...350gr/lb)	L								
	Special:	Def ne qu rty for . Def ne sc e for .	C C	2 2							
	NOTE:	- Td, a, Tw and x are only available with parameter selection D - If only one analog output has been chosen, choose A for Ch2									
Probe	7 Analog output range for temperature	-40...+60 °C (-40...+140 °F) -20...+60 °C (-4...+140 °F) 0...+60 °C (+32...+140 °F) -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -40...+80 °C (-40...+176 °F) -40...+120 °C (-40...+248 °F) 0...+100 °C (+32...+ 212 °F) -20...+180 °C (-4...+356 °F) -40...+180 °C (-40...+356 °F) 0...+180 °C (+32...+356 °F) Special	A B C D E F G H J K L X								
	8 Output units	Metric Non-metric	1 2								
	9 Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" for re conduits Cable gland M20x1.5 for cable diameters 10 ... 15 mm	A B C								
	10 Ex certification and issuer	ATEX 100a 94/9/EC (VTT), Ex ia IIC T4 IECEx (VTT), Ex ia IIC T4 Factory Mutual (USA) CSA (Canada) TIIS (Japan) TR CU (EAC) KOSHA (Korea)									
	11 User's guide	English German French Finnish Swedish Japanese Russian Chinese Korean	B C D E G J K V W								
	12 Probe and cable length	2 m cable <i>m cable mm probe max C</i> <i>m cable mm probe max C</i> <i>m cable mm probe max C</i> <i>m cable mm probe max C</i> <i>m cable mm probe max C</i>	L M N P Q R								
	13 Sensor type	HUMICAP 180R									
	14 (blank)										
	15 Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter Membrane SST filter (for fuel cells)	SP SP SP SP SP	1 2 3 4 5							
	16 Probe installation accessories	Ball valve set Fitting Body NPT1/2 Fitting Body ISO	SP SP SP	E H N							

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

Installation accessories  
 2 24  
 2 4  
 2 4  
 2

Example of order code with typical settings:

HMT360 8 A 2 2 B C A 1 A 2 B L 5 A 1 E

End customer:

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## HMT360 Humidity and Temperature Transmitter unit



Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	0	2	4	2	4	2	4	0	0	0	0	P	CE
1 Transmitter type	HMT360		0												
2 Parameters	RH+T RH+T+Td+a+Tw+x		A	D											
3 Display	No display <i>Display on transmitter cover</i>			1											
4 Number of analog outputs	1 analog output channel (Ch1) <i>analog output channels (Ch Ch</i>	4... 20 mA		1											
5 Parameter and scaling for 6 analog output (Ch1 & Ch2)	No analog output RH (0... 100%RH) T (choose range in next section) Td (-40...60 °C) (-40... 140 °F) a (0... 160g/m3) (0...70gr/ft3) Tw (0...60 °C) (+32...+140 °F) x (0...160g/kg d.a) (0...1120gr/lb) Td (-40...100 °C) (-40...212 °F) a (0...500g/m3) (0...218.5gr/ft3) Tw (0...100 °C) (+32...+212 °F) x (0...3500g/kg d.a) (0...3500gr/lb) Special: Def ne quantity for . Def ne scope for .														
NOTE:	- Td, a, Tw and x are only available with parameter selection D - If only one analog output has been chosen, choose A for Ch2														
7 Analog output range for temperature	-40...+60 °C (-40...+140 °F) -20...+60 °C (-4...+140 °F) 0...+60 °C (+32...+140 °F) - If no temperature output is desired, choose A -20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -40...+80 °C (-40...+176 °F) -40...+120 °C (-40...+248 °F) 0...+100 °C (+32...+ 212 °F) -20...+180 °C (-4...+356 °F) -40...+180 °C (-40...+356 °F) 0...+180 °C (+32...+356 °F) Special														
8 Output units	Metric Non-metric														
9 Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" for re conduits Cable gland M20x1.5 for cable diameters 10 ... 15 mm														
10 Ex certification and issuer	ATEX 100a 94/9/EC (VTT), Ex ia IIC T4 IECEx (VTT), Ex ia IIC T4 Factory Mutual (USA) CSA (Canada) TIIS (Japan) TR CU (EAC) KOSHA (Korea)														
11 User's guide	English German French Finnish Swedish Japanese Russian Chinese Korean														
12 No probe															
13 (blank)															
14 (blank)															
15 (blank)															
16 (blank)															

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:

HMT360 | 0 | A | 2 | 2 | B | C | A | 1 | A | 2 | B | 0 | 0 | 0 | 0 | 0 | 0

End customer: \_\_\_\_\_

