

HMT360 Humidity and Temperature Transmitter unit

Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360										0 0 0 0 0 0					PRICE
1	Transmitter type	HMT360															
2	Parameters	<i>RH+T</i>															
3	Display	No display															
4	Signal Output	2 analog output channels (Ch1 + Ch2)															
5	Parameter and scaling for 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...210.5gr/ft3)															
		Tw (0...+100°C) (+32...+212°F)															
		x (0...500g/kg d.a) (0...3500gr/lb)															
	Special:	Define quantity for: CH1: _____ CH2: _____															
		Define scale for: CH1: _____ CH2: _____															
6	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 wire conduits)															
		Cable gland M20x1.5 for cable diameters 10 ... 15 mm															
10	Ex certification and issuer	ATEX 100a 94/9/EC (PTB)															
		Factory Mutual (USA)															
		CSA (Canada)															
		TIS (Japan)															
11	User's guide	No manual															
		English															
12	No probe	0 0 0 0 0 0															
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.

Shaded sections indicate typical selections.

Example of order code with typical settings:

HMT360 0 A 2 2 B C A 2 A 2 B 0 0 0 0 0

RH = Relative Humidity a = Absolute Humidity g/m3
 T = Temperature x = Mixing Ratio g/Kg
 Td = Dewpoint Temperature Tw = Wet Bulb Temperature

NOTE: Intrinsically Safe barriers are required with the HMT360 to achieve a safe installation. The following Stahl barrier is acceptable, if the supply voltage to the barrier is between 24 - 35 VDC, the cable length between transmitter and barrier is less than 300m, and the external load created by additional components in the loop is less than 200 ohms. If the installation requirements do not satisfy these parameters, then please consult the HMT360 manual (www.vaisala.com) or contact a manufacturer of safety barriers for additional assistance.

Accessories and Spare Parts	Description	Order Code	PRICE
	Stahl Zener Barrier (Stahl # 9001/51-280-091-14)	210664	
	(active barrier that requires active input)		
	Vyniker enclosure	210665	
	(enclosure holds 2 barriers)		

HMT361 Humidity and Temperature Transmitter

For wall mounting

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE
1	Vaisala HUMICAP® Humidity and Temperature Transmitter	HMT360	1															
2	Transmitter type	HMT361	1															
3	Parameters	<i>RH+T</i> <i>RH+T+Td+a+Tw+x</i>		<i>A</i>	<i>D</i>													
4	Display	No display <i>Display on transmitter cover</i>			1	2												
5	Signal output	2 analog output channels (Ch1 + Ch2)	4... 20 mA		2													
6	Parameter and scaling for 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)																
7	Special: Define quantity for: CH1: _____ CH2: _____ Define scale for: CH1: _____ CH2: _____																	
8	NOTE:																	
9	- Td, a, Tw and x are only available with parameter selection D - If only one analog output has been chosen, choose A for Ch2																	
10	Analog output range for temperature	-40...+60°C (-40...+140°F) -20...+60°C (-4...+140°F) 0...+60°C (+32...+140°F) Special																
11	Output units	Metric Non-metric																
12	Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" (for wire conduits) Cable gland M20x1.5 for cable diameters 10 ... 15 mm																
13	Ex certification and issuer	ATEX 100a 94/9/EC (PTB) Factory Mutual (USA) CSA (Canada) TIIS (Japan)																
14	User's guide	No manual English																
15	Probe and cable length	HMP361 max +60°C																
16	Sensor type	HUMICAP 180 HUMICAP 180L2 HUMICAP 180R																
17	Reserved for future option																	
18	Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter	DRW0101281SP DRW0101276SP HM47280SP HM47453SP															
19	Reserved for future option																	
																	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.

Shaded sections indicate typical selections.

Example of order code with typical settings:

HMT360 1 A 2 2 B C A 2 A 4 B A 5 A 1 0

RH = Relative Humidity a = Absolute Humidity g/m3

T = Temperature x = Mixing Ratio g/Kg

Td = Dewpoint Temperature Tw = Wet Bulb Temperature

NOTE: Intrinsically Safe barriers are required with the HMT360 to achieve a safe installation. The following Stahl barrier is acceptable, if the supply voltage to the barrier is between 24 - 35 VDC, the cable length between transmitter and barrier is less than 300m, and the external load created by additional components in the loop is less than 200 ohms. If the installation requirements do not satisfy these parameters, then please consult the HMT360 manual (www.vaisala.com) or contact a manufacturer of safety barriers for additional assistance.

Accessories and Spare Parts : Description	Order Code:	PRICE
Stahl Zener Barrier (Stahl # 9001/51-280-091-141) (active barrier that requires active input)	210664	
	210665	

HMT363 Humidity and Temperature Transmitter

For general use

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE			
1	Vaisala HUMICAP® Humidity and Temperature Transmitter	HMT360	3																		
2	Transmitter type	HMT363	3																		
3	Parameters	<i>RH+T</i> <i>RH+T+Td+a+Tw+x</i>		A	D																
4	Display	No display <i>Display on transmitter cover</i>			1	2															
5	Signal Output	2 analog output channels (Ch1 + Ch2)	4... 20 mA		2																
6	Parameter and scaling for 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: CH1: _____ CH2: _____ Define scale for: CH1: _____ CH2: _____					B	C	H	J	K	L	X								
7	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																			
8	Analog output range for temperature	-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) Special					D	E	F	G	H	X									
9	Output units	Metric Non-metric							1	2											
10	Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm Conduit fitting NPT1/2" (for wire conduits) Cable gland M20x1.5 for cable diameters 10 ... 15 mm							A	B	C										
11	Ex certification and issuer	ATEX 100a 94/9/EC (PTB) Factory Mutual (USA) CSA (Canada) TIIS (Japan)									2	4	5	7							
12	User's guide	No manual English										A	B								
13	Probe and cable length	2 m cable max 80°C 5 m cable max 80°C 10 m cable max 80°C 2 m cable max 120°C 5 m cable max 120°C 10 m cable max 120°C											1	2	3	B	C	D			
14	Sensor type	HUMICAP 180 HUMICAP 180L2 HUMICAP 180R											1	2	5						
15	Reserved for future option														A						
16	Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter	DRW0101281SP DRW0101276SP HM47280SP HM47453SP															1	2	3	4
17	Probe installation accessories	None <i>Duct installation kit</i>																0	B		
TOTAL																					
QTY																					
TOTAL VALUE																					

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Example of order code with typical settings:

HMT360 | 3 | A | 2 | 2 | B | C | D | 4 | A | 2 | B | B | 5 | A | 1 | B

RH = Relative Humidity a = Absolute Humidity g/m3

T = Temperature x = Mixing Ratio g/Kg

Td = Dewpoint Temperature Tw = Wet Bulb Temperature

NOTE: Intrinsically Safe barriers are required with the HMT360 to achieve a safe installation. The following Stahl barrier is acceptable, if the supply voltage to the barrier is between 24 - 35 VDC, the cable length between transmitter and barrier is less than 300m, and the external load created by additional components in the loop is less than 200 ohms. If the installation requirements do not satisfy these parameters, then please consult the HMT360 manual (www.vaisala.com) or contact a manufacturer of safety barriers for additional assistance.

Accessories and Spare Parts : Description	Order Code:	PRICE
Stahl Zener Barrier (Stahl # 9001/51-280-091-141) (active barrier that requires active input)	210664	
Vyniker enclosure (enclosure holds 2 barriers)	210665	

HMT365 Humidity and Temperature Transmitter

For high temperatures

Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE
1	Transmitter type	HMT365	5																	\$2,700
2	Parameters	<i>RH+T</i>	A																	\$3,210
3	Display	No display		1																\$120
4	Signal Output	2 analog output channels (Ch1 + Ch2)		4... 20 mA	2															
5	Parameter and scaling for analog output (Ch1 & Ch2)	No analog output								A										
		RH (0... 100%RH)	B							B										
		T (choose range in next section)	C							C										
		Td (-40...100°C) (-40...212°F)	H							H										
		a (0...500g/m3) (0...218.5gr/m3)	J							J										
		Tw (0...100°C) (+32...+212°F)	K							K										
		x (0...500g/kg d.a) (0...350gr/lb)	L							L										
	Special:	Define quantity for:	CH1:							X										
		Define scale for:	CH2:							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																		
6	Analog output range for temperature	-20...+80°C (-4...+176°F)	D																	
		-20...+120°C (-4...+248°F)	E																	
		-40...+80°C (-40...+176°F)	F																	
		-40...+120°C (-40...+248°F)	G																	
		0...+100°C (+32...+212°F)	H																	
		-20...+180°C (-4...+356°F)	J																	
		-40...+180 °C (-40...+356°F)	K																	
		0...+180°C (+32...+356°F)	L																	
		Special	X																	
8	Output units	Metric		1																
		Non-metric		2																
9	Interface cable connection	Cable gland M20x1.5 for cable diameters 7.5 ... 12 mm	A																	
		Conduit fitting NPT1/2" (for wire conduits)	B																	
		Cable gland M20x1.5 for cable diameters 10 ... 15 mm	C																	
10	Ex certification and issuer	ATEX 100a 94/9/EC (PTB)		2																
		Factory Mutual (USA)		4																
		CSA (Canada)		5																
		TIIS (Japan)		7																
11	User's guide	No manual		A																
		English		B																
12	Probe and cable length	2 m cable		H																
		5 m cable		J																
		10 m cable		K																
13	Sensor type	HUMICAP 180		1																
		HUMICAP 180L2		2																
		HUMICAP 180R		5																
14	Sensor protection	PPS plastic grid & stainless steel netting (recommended choice)		DRW0101281SP																
		PPS plastic grid		DRW0101276SP																
		Sintered stainless steel filter		HM47280SP																
		Stainless steel grid filter		HM47453SP																
16	Probe installation accessories	None		0																
		Mounting flange		D																
																			TOTAL	
																			QTY	
																			TOTAL VALUE	

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Example of order code with typical settings:

HMT360 | **5** | **A** | **2** | **2** | **B** | **C** | **D** | **2** | **A** | **4** | **B** | **H** | **5** | **A** | **1** | **D**

RH = Relative Humidity a = Absolute Humidity g/m3
 T = Temperature x = Mixing Ratio g/Kg
 Td = Dewpoint Temperature Tw = Wet Bulb Temperature

NOTE: Intrinsically Safe barriers are required with the HMT360 to achieve a safe installation. The following Stahl barrier is acceptable, if the supply voltage to the barrier is between 24 - 35 VDC, the cable length between transmitter and barrier is less than 300m, and the external load created by additional components in the loop is less than 200 ohms. If the installation requirements do not satisfy these parameters, then please consult the HMT360 manual (www.vaisala.com) or contact a manufacturer of safety barriers for additional assistance.

Accessories and Spare Parts	Description	Order Code	PRICE
	Stahl Zener Barrier (Stahl # 9001/51-280-091-141) (active barrier that requires active input)	210664	
	Vyniker enclosure (enclosure holds 2 barriers)	210665	

HMT367 Humidity and Temperature Transmitter

For high humidities

Vaisala HUMICAP® Humidity and Temperature Transmitter		HMT360	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE
1	Transmitter type	HMT367	7																	
2	Parameters	<i>RH+T</i> <i>RH+T+Td+a+Tw+x</i>	A	D																
3	Display	No display <i>Display on transmitter cover</i>		1	2															
4	Signal Output	2 analog output channels (Ch1 + Ch2)		4... 20 mA	2															
5	Parameter and scaling for 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: CH1: _____ CH2: _____ Define scale for: CH1: _____ CH2: _____																		
6	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	-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 wire conduits) Cable gland M20x1.5 for cable diameters 10 ... 15 mm																		
10	Ex certification and issuer	ATEX 100a 94/9/EC (PTB) Factory Mutual (USA) CSA (Canada) TIIS (Japan)																		
11	User's guide	No manual English																		
12	Probe and cable length	2 m cable 5 m cable 10 m cable																		
13	Sensor type	HUMICAP 180 HUMICAP 180L2 HUMICAP 180R																		
14	Reserved for future option																			
15	Sensor protection	PPS plastic grid & stainless steel netting (recommended choice) PPS plastic grid Sintered stainless steel filter Stainless steel grid filter																		
16	Probe installation accessories	None Duct installation kit Cable Gland AGRO Swagelok NPT 1/2" Swagelok ISO 3/8"																		
																			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.

Shaded sections indicate typical selections.

Example of order code with typical settings:

HMT360 7 A 2 2 B C D 4 A 2 B V 5 A 1 L

RH = Relative Humidity a = Absolute Humidity g/m3
T = Temperature x = Mixing Ratio g/Kg
Td = Dewpoint Temperature Tw = Wet Bulb Temperature

NOTE: Intrinsically Safe barriers are required with the HMT360 to achieve a safe installation. The following Stahl barrier is acceptable, if the supply voltage to the barrier is between 24 - 35 VDC, the cable length between transmitter and barrier is less than 300m, and the external load created by additional components in the loop is less than 200 ohms. If the installation requirements do not satisfy these parameters, then please consult the HMT360 manual (www.vaisala.com) or contact a manufacturer of safety barriers for additional assistance.

Accessories and Spare Parts : Description	Order Code:	PRICE
Stahl Zener Barrier (Stahl # 9001/51-280-091-141) (active barrier that requires active input)	210664	
Vyniker enclosure (enclosure holds 2 barriers)	210665	

