

HMT362 Dewpoint Transmitter for Natural Gas Moisture With small pressure-tight flanged probe

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Vaisala HUMICAP [®] Dewpoint and Temperature Transmitter		HMT360	2	N	2										4	A	3	PRICE
Transmitter unit	Transmitter type	HMT362	2															
	Parameters	Td + W (mg/m3 or lb/MMscf) + ppmv + T		N														
	Display	Display on transmitter cover	2															
	Number of analog outputs	1 analog output channel (Ch1) 4... 20 mA				1												
		2 analog output channels (Ch1 + Ch2) 4... 20 mA				2												
	Parameter and scaling for analog output (Ch1 & Ch2)	No analog output (Ch2)																
		Temperature (choose range in next section)																
		Td (-40... 100 °C) (-40... 212 °F)																
		W (0...320 mg/m3) (0...20 lb/MMscf)																
		ppm _v (0...500) (0...500)																
	Special:	Define quantity for CH1: _____ CH2: _____																
		Define scale for CH1: _____ CH2: _____																
						Ch1												
						Ch2												
		Analog output range for temperature	-40...+60 °C (-4...+140 °F)															
		-20...+80 °C (-4...+176 °F)																
		-40...+80 °C (-40...+176 °F)																
		0...+100 °C (+32...+ 212 °F)																
NOTE:	Special Define scale (in °C or °F) _____																	
	- If no temperature output is desired, choose A																	
Output units	Metric																	
	Non-metric																	
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																	
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)																	
User's guide	No manual																	
	English																	
	Russian																	
Probe	Probe cable length	2 m (6.6 ft)																
		5 m (16.4 ft)																
		10 m (32.8 ft)																
	Sensor type	Sensor for natural gas HUMICAP [®] 180M																
Sensor protection	Sintered stainless steel filter																	
Probe installation accessories	No installation kit																	
	Sampling cell for HMP362 probe (HMP302SC)																	
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:

HMT360 2 N 2 2 H C H 1 A 2 L S 4 A 3 F

End customer: _____

Spare parts and accessories:

Galvanic isolator	212483
Barrier	210664
Rain shield for the HMT360 series transmitter	215109
Samplig cell	HMP302SC
Serial interface cable for PC - for service use only	25905ZZ
Sintered stainless steel filter	HM47280SP

HMT364 Dewpoint Transmitter for Natural Gas Moisture With pressure-tight probe

Vaisala HUMICAP® Dewpoint and Temperature Transmitter		HMT360	4	N	2											4	A	3	PRICE	
Transmitter unit	Transmitter type	HMT364																		
	Parameters	Td + W (mg/m3 or lb/MMscf) + ppmv + T		N																
	Display	Display on transmitter cover		2																
	Number of analog outputs	1 analog output channel (Ch1)		4... 20 mA																
		2 analog output channels (Ch1 + Ch2)		4... 20 mA																
	Parameter and scaling for analog output (Ch1 & Ch2)	No analog output (Ch2)																		
		Temperature (choose range in next section)		C C																
		Td (-40... 100 °C)	(-40... 212 °F)		H H															
		W (0...320 mg/m3)	(0...20 lb/MMscf)		R R															
		ppm _v (0...500)	(0...500)		S S															
Special:	Define quantity for	CH1: _____		X X																
	Define scale for	CH1: _____		X X																
Probe	Analog output range	-40...+60 °C		(-4...+140 °F)																
	for temperature	-20...+80 °C		(-4...+176 °F)																
		-40...+80 °C		(-40...+176 °F)																
		0...+100 °C		(+32...+ 212 °F)																
	NOTE:	Special Define scale (in °C or °F) _____		X																
		- If no temperature output is desired, choose A																		
	Output units	Metric		1																
		Non-metric		2																
	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																	
Ex certification and issuer	ATEX 100a 94/9/EC (VTT), Ex ia IIC T4		2																	
	IECEX (VTT), Ex ia IIC T4		3																	
	Factory Mutual (USA)		4																	
	CSA (Canada)		5																	
	TIIS (Japan)		7																	
User's guide	No manual		A																	
	English		L																	
	Russian		U																	
Probe cable length	2 m (6.6 ft)		E																	
	5 m (16.4 ft)		F																	
	10 m (32.8 ft)		G																	
Sensor type	Sensor for natural gas HUMICAP®180M		4																	
Sensor protection	Sintered stainless steel filter		A																	
Probe installation accessories	Fitting body NPT 1/2" male		3																	
	Fitting body M22x1.5 male		G																	
																		K		
																		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:

HMT360 4 N 2 2 H C H 1 A 2 L E 4 A 3 K

End customer: _____

Spare parts and accessories:

Galvanic isolator	212483
Barrier	210664
Rain shield for the HMT360 series transmitter	215109
Fitting body M22x1.5 male	17223SP
Fitting body NPT 1/2" male	17225SP
Serial interface cable for PC - for service use only	25905ZZ
Sintered stainless steel filter	HM47280SP

HMT368 Dewpoint Transmitter for Natural Gas Moisture With probe for pipeline installations

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE
Vaisala HUMICAP® Dewpoint and Temperature Transmitter		HMT360	8	N	2										4	A	3	
Transmitter unit	Transmitter type	HMT368	8															
	Parameters	Td + W (mg/m3 or lb/MMscf) + ppmv + T	N															
	Display	Display on transmitter cover		2														
	Number of analog outputs	1 analog output channel (Ch1) <i>2 analog output channels (Ch1 + Ch2)</i>	4... 20 mA		1													
	Parameter and scaling for analog output (Ch1 & Ch2)	No analog output (Ch2) Temperature (choose range in next section)																
		Td (-40... 100 °C)	(-40... 212 °F)															
		W (0...320 mg/m3)	(0...20 lb/MMscf)															
		ppm_v (0...500)	(0...500)															
	SPECIAL: Define quantity for	CH1: _____	CH2: _____															
	Define scale for	CH1: _____	CH2: _____															
					Ch1													
					Ch2													
Analog output range for temperature	-40...+60 °C	(-4...+140 °F)																
	-20...+80 °C	(-4...+176 °F)																
	-40...+80 °C	(-40...+176 °F)																
	0...+100 °C	(+32...+ 212 °F)																
NOTE:	Special	Define scale (in °C or °F) _____																
	- If no temperature output is desired, choose A																	
Output units	Metric																	
	Non-metric																	
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																	
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)																	
User's guide	No manual																	
	English																	
	Russian																	
Probe	Probe and cable length	2 m (6.6 ft)																
		<i>5 m (16.4 ft)</i>																
		<i>10 m (32.8 ft)</i>																
		2 m (6.6 ft)																
		<i>5 m (16.4 ft)</i>																
		<i>10 m (32.8 ft)</i>																
		226 mm (9") probe																
	<i>226 mm (9") probe</i>																	
	<i>226 mm (9") probe</i>																	
	<i>448 mm (18") probe</i>																	
	<i>448 mm (18") probe</i>																	
	<i>448 mm (18") probe</i>																	
Sensor type	Sensor for natural gas	HUMICAP®180M																
Sensor protection	Sintered stainless steel filter																	
Probe installation accessories	<i>Ball valve set for installation into pipeline (BALLVALVE-1)</i>																	
	Fitting body NPT 1/2" male																	
	Fitting body ISO R 1/2" male																	
<i>Selections in italic are available at an extra price.</i>																	TOTAL	
																	QTY	
																	TOTAL VALUE	

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Example of order code with typical settings:

HMT360 8 N 2 2 H C H 1 A 2 L L 4 A 3 E

End customer: _____

Spare parts and accessories:

Galvanic isolator	212483
Barrier	210664
Rain shield for the HMT360 series transmitter	215109
Ball valve set	BALLVALVE-1
Fitting body ISO 1/2"	ISOFITBODASP
Fitting body NPT 1/2"	NPTFITBODASP
Serial interface cable for PC - for service use only	25905ZZ
Sintered stainless steel filter	HM47280SP

PROBES for HMT360N Dewpoint Transmitter for Natural Gas Moisture

Dewpoint and Temperature probes for HMT360N transmitter			HMP360	4	A	3	PRICE
Probe	Probe type	HMP362 HMP364 HMP368	for pressurized processes with flange for pressurized processes for pressurized pipelines	2 4 8			
	Probe and cable length	HMP362 only:	2m (6 ft)	max+110°C	S		
			<i>5 m (16 ft)</i>	<i>max+110°C</i>	T		
			<i>10 m (32 ft)</i>	<i>max+110°C</i>	U		
		HMP364 only:	2m	max +180°C	E		
			<i>5 m</i>	<i>max +180°C</i>	F		
			<i>10 m</i>	<i>max +180°C</i>	G		
		HMP368 only:	2m	226 mm, max+180°C	L		
			<i>5 m</i>	<i>226 mm, max+180°C</i>	M		
			<i>10 m</i>	<i>226 mm, max+180°C</i>	N		
	Humidity sensor type	Sensor for natural gas	2m	448 mm, max+180°C	P		
			<i>5 m</i>	<i>448 mm, max+180°C</i>	Q		
			<i>10m</i>	<i>448 mm, max+180°C</i>	R		
	Humidity sensor type	Sensor for natural gas	HUMICAP®180M		4		
	Sensor protection in probe		Sintered stainless steel filter			3	
Fitting body and, Installation kit	HMP362 only:	No kit				A	
Installation kit	HMP364 only:	<i>Sampling cell for HMP362 probe (HMP302SC)</i>				F	
		Fitting body NPT 1/2" male				G	
		<i>Fitting body M22x1.5 male</i>				K	
Installation kit	HMP368 only:	<i>Ball valve set for installation into pipeline (BALLVALVE-1)</i>				E	
		Fitting body NPT 1/2" male				H	
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)	Fitting body ISO R 1/2" male				N	
						2	
						4	
						5	
						7	
TOTAL							
QTY							
TOTAL VALUE							

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Example of order code with typical settings:

HMP360 8 L 4 A 3 N 2

End customer: _____



Order form
Orderer _____

Valid from July 2009
Order no. _____

HMT360N Dewpoint Transmitter for Natural Gas Moisture

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PRICE
Vaisala HUMICAP [®] Dewpoint and Temperature Transmitter		HMT360	0	N	2								0	0	A	0	0	
Transmitter unit	Transmitter type	Transmitter only (no probe)		0														
	Parameters	Td + W (mg/m3 or lb/MMscf) + ppmv + T		N														
	Display	Display on transmitter cover		2														
	Signal output	1 analog output channel (Ch1)		1														
		<i>2 analog output channels (Ch1 + Ch2)</i>		<i>4... 20 mA</i>														
	Parameter and scaling for analog output (Ch1 & Ch2)	No analog output (Ch2)		A														
		Temperature (choose range in next section)		C C														
		Td (-40... 100 °C)		(-40... 212 °F)														
		W (0...326 mg/m3)		(0...20 lb/MMscf)														
		ppmv (0...500)		(0...500)														
SPECIAL:	Define quantity for	CH1: _____		CH2: _____														
	Define scale for	CH1: _____		CH2: _____														
				Ch1														
				Ch2														
Analog output range for temperature		-40...+60 °C		(-4...+140 °F)														
		-20...+80 °C		(-4...+176 °F)														
		-40...+80 °C		(-40...+176 °F)														
		0...+100 °C		(+32...+ 212 °F)														
NOTE:	Special		Define scale (in °C or °F) _____															
	- If no temperature output is desired, choose A																	
Output units		Metric		1														
		Non-metric		2														
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														
Ex certification and issuer		ATEX 100a 94/9/EC (VTT), Ex ia IIC T4		2														
		IECEX (VTT), Ex ia IIC T4		3														
		Factory Mutual (USA)		4														
		CSA (Canada)		5														
		TiIS (Japan)		7														
Operating manual language		No manual		A														
		English		L														
		Russian		U														
Probe	Probe cable	None		0														
	Sensor	None		0														
	Sensor protection	None		0														
	Probe installation accessories	None		0														
TOTAL																		
QTY																		
TOTAL VALUE																		

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Selections in italic are available at an extra price.

Example of order code with typical settings:

HMT360 0 N 2 2 C H H 1 A 2 L 0 0 A 0 0

End customer: _____