





Public Order Form for Global Use  
Valid from: June 2021

Purchaser \_\_\_\_\_  
Order no. \_\_\_\_\_

### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP373 Probe

HMT370EX Transmitter + HMP373 Probe for Confined Spaces					HMT370EX					1. Probe Model	2. Ex. Certificate	3. Probe Type	4. Filter	5. Probe Acc.	6. Transmitter Type	7. Output Units	8. CH1 Output	9. CH2 Output	10. Cable Lead-through	11. Transmitter Acc.	12. Not in use	N	Price
1	Probe Model	HMP373	Probe for Confined Spaces																				
2	Ex Certification, Region and Product Markings	IECEX ATEX CML	Global Europe Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da																			
3	Probe Cable Length and Sensor	Probe Model HMP373	Cable	Specification	Sensor																		
	Humidity	HMP373	2m 5 m 10 m	max +80°C max +80°C max +80°C	HUMICAP® R2 HUMICAP® R2 HUMICAP® R2																		
		HMP373	2m 5 m 10 m	max +120°C max +120°C max +120°C	HUMICAP® R2 HUMICAP® R2 HUMICAP® R2																		
4	Sensor Protection	Type		Pore size	Spare part code																		
		Metallized PPS Plastic Filter Grid with Stainless Steel Mesh for general use Stainless Steel Sintered Filter (AISI 316L) for general use Metallized PPS Plastic Filter Grid for fast response in clean environments		15 µm 38 µm 6.5 mm gaps	DRW010281SP HM47280SP DRW010276SP																		
5	Probe Accessories	Type	Specification	Probe compatibility	Spare part code																		
		No Accessories Duct Installation Kit Cable Gland for Probe Mounting	M20 x 1.5 with Split Seal	HMP373/377 HMP373/HMP375/HMP377	210697 HMP247CG																		
6	Transmitter Type	No Display Display	Transmitter without Display and Keypad Transmitter with Display and Keypad																				
7	Output Units	Metric Non-Metric	Metric units Non-metric units																				
8-9	Analog Outputs	Parameter	Scale, Metric (Non-Metric)	Output signal																			
		No Analog Output																					
	Humidity, temperature, dew point	Humidity Temperature Temperature Temperature Temperature Dewpoint Temperature	RH (%) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F)	0...100 % 0...+60 °C (+32...+ 140 °F) -40...+60 °C (-40...+140 °F) -20...+80 °C (-4...+176 °F) -40...+180 °C (-40...356 °F) -20...+120 °C (-4...+248 °F)	4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state)																		
	Custom scaling	CH1 Parameter & Scale		CH2 Parameter & Scale																			
	Available parameters	Relative humidity Temperature Dewpoint temperature Dew/frostpoint temperature Dew/frostpoint at 1 atm Dewpoint at 1 atm Absolute humidity Mixing ratio	RH (%) T (°C   °F) Td (°C   °F) Tdf (°C   °F) Tdfa (°C   °F) Tda (°C   °F) a (g/m3   gr/ft3) x (g/kg   gr/lb)	Wet bulb temperature Water concentration Water vapor pressure Enthalpy Water vapor saturation pressure Dewpoint temperature difference Absolute humidity at NTP Water mass fraction	Tw (°C   °F) H2O (ppmv) pw (hPa   psi) h ( kJ/kg   Btu/lb) pws (hPa   psi) DT (°C   °F) aNTP (g/m3   gr/ft3) H2Ow (ppmw)																		
10	Cable Lead-through	Type	Cable diameter	Quantity	Spare part code	Manufacturer, Type																	
	NOTE: Please choose the item that meets Ex-requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	No Cable Glands Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"	5...11 mm 10...14 mm 5...11 mm 10...14 mm	1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	254931SP 265207SP 265208SP 265243SP 265240SP	AGRO, EX8720.08* AGRO, EX1826.20.110* Hummel, HSK-MZ-Ex* ABB, EXNM20-M16/R* ABB, EXNM20-050/TC*																	
11	Transmitter Accessories	Type			Spare part code	Manufacturer/Type																	
	Note! All accessories can be ordered as a separate sales order line	No Transmitter Accessories HMT360 retrofit mounting plate USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator	HMT360 Mounting Compatible for Transmitter for 1 Channel for 2 Channels (2 pcs) for 1 Channel for 1 Channel for 2 Channels (1 pc Double Channel)		DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP																		
12	Reserved	None																					

Additional information  
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:  
HMT370EX | 3 | 1 | E | 1 | N | B | 1 | A | C | 1 | N | N



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### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP374 Probe

HMT370EX Transmitter + HMP374 Probe for Pressurized Processes				HMT370EX				1. Probe Model	2. Ex. Certificate	3. Probe Type	4. Filter	5. Probe Acc.	6. Transmitter Type	7. Output Units	8. CH1 Output	9. CH2 Output	10. Cable Lead-through	11. Transmitter Acc.	12. Not in use	N	Price	
1	Probe Model	HMP374	Probe for Pressurized Processes																			
2	Ex Certification, Region and Product Markings	IECEX ATEX CML	Global Europe Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da																		
3	Probe Cable Length and Sensor	Probe Model HMP374	Cable 2m 5 m 10 m	Specification max +180°C max +180°C max +180°C	Sensor HUMICAP® R2 HUMICAP® R2 HUMICAP® R2					H J K												
4	Sensor Protection	Type Metalized PPS Plastic Filter Grid with Stainless Steel Mesh for general use Stainless Steel Sintered Filter (AISI 316L) for general use Stainless Steel Filter for vacuum environments (AISI 303) Metalized PPS Plastic Filter Grid for fast response in clean environments	Pore size 15 µm 38 µm 3.15 mm holes 6.5 mm gaps	Probe compatibility HMP374 HMP374	Spare part code DRW010281SP HM47280SP HM47453SP DRW010276SP																	
5	Probe Accessories	Type Fitting Body for Probe Mounting Fitting Body for Probe Mounting	Specification M22 x 1.5 NPT 1/2	Probe compatibility HMP374 HMP374	Spare part code 17223SP 17225SP																	
6	Transmitter Type	No Display Display	Transmitter without Display and Keypad Transmitter with Display and Keypad																			
7	Output Units	Metric Non-Metric	Metric units Non-metric units																			
8-9	Analog Outputs	Parameter No Analog Output	Scale, Metric (Non-Metric)	Output signal																		
	Humidity, temperature, dew point	Humidity Temperature Temperature Temperature Temperature Dewpoint Temperature	RH (%) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F) Td (°C   °F)	0...100 % 0...+60 °C (+32...+140 °F) -40...+60 °C (-40...+140 °F) -20...+80 °C (-4...+176 °F) -40...+180 °C (-40...356 °F) -20...+120 °C (-4...+248 °F)	4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state)																	
	Custom scaling	CH1 Parameter & Scale	:	CH2 Parameter & Scale	:																	
	Available parameters	Relative humidity Temperature Dewpoint temperature Dew/frostpoint temperature Dew/frostpoint at 1 atm Dewpoint at 1 atm Absolute humidity Mixing ratio	RH (%) T (°C   °F) Td (°C   °F) Tdf (°C   °F) Tdfa (°C   °F) Tda (°C   °F) a (g/m3   gr/ft3) x (g/kg   gr/lb)	Wet bulb temperature Water concentration Water vapor pressure Enthalpy Water vapor saturation pressure Dewpoint temperature difference Absolute humidity at NTP Water mass fraction	Tw (°C   °F) H2O (ppmw) pw (hPa   psi) h ( kJ/kg   Btu/lb) pws (hPa   psi) DT (°C   °F) aNTP (g/m3   gr/ft3) H2Ow (ppmw)																	
10	Cable Lead-through	NOTE: Please choose the item that meets Ex- requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	Type No Cable Glands Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"	Cable diameter dummy plug 5...11 mm 10...14 mm 5...11 mm 10...14 mm	Quantity 1 pc 1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	Spare part code 254931SP 265207SP 265208SP 265243SP 265240SP	Manufacturer, Type AGRO, EX8720.08* AGRO, EX1826.20.110* Hummel, HSK-MZ-Ex* ABB, EXN/M20-M16/R* ABB, EXN/M20-050/TC*															
11	Transmitter Accessories	Type No Transmitter Accessories HMT360 retrofit mounting plate USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator	HMT360 Mounting Compatible for Transmitter for 1 Channel for 2 Channels (2 pcs) for 1 Channel for 1 Channel for 2 Channels (1 pc Double Channel)	Spare part code DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP	Manufacturer/Type Stahl, 9001/51-280-091-141 Stahl, 9160/13-11-11k Eaton, MTL5541/S Eaton, MTL5544																	
12	Reserved	None																				

Additional information  
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:  
**HMT370EX** | **4** | **1** | **H** | **2** | **F** | **B** | **1** | **A** | **C** | **1** | **N** | **N**





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### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP377 Probe

HMT370EX Transmitter + HMP377 Probe for High Humidities				HMT370EX				1. Probe Model	2. Ex. Certificate	3. Probe Type	4. Filter	5. Probe Acc.	6. Transmitter Type	7. Output Units	8. CH1 Output	9. CH2 Output	10. Cable Lead-through	11. Transmitter Acc.	12. Not in use	N	Price
1	Probe Model	HMP377	Probe for High Humidities																		
2	Ex Certification, Region and Product Markings	IECEX ATEX CML	Global Europe Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da																	
3	Probe Cable Length and Sensor	Probe Model HMP377	Cable 2m 5 m 10 m	Specification max +180°C max +180°C max +180°C	Sensor HUMICAP® R2 HUMICAP® R2 HUMICAP® R2																
4	Sensor Protection	Type	Pore size	Spare part code																	
		Metallized PPS Plastic Filter Grid with Stainless Steel Mesh for general use	15 µm	DRW010281SP																	
		Stainless Steel Sintered Filter (AISI 316L) for general use	38 µm	HM47280SP																	
		Metallized PPS Plastic Filter Grid for fast response in clean environments	6.5 mm gaps	DRW010276SP																	
		Stainless Steel Filter (AISI 303) with PTFE Membrane	0.2 µm	214848SP																	
5	Probe Accessories	Type	Specification	Probe compatibility	Spare part code																
		No Accessories		HMP373/377	210697																
		Duct Installation Kit		HMP373/HMP375/HMP377	HMP247CG																
		Cable Gland for Probe Mounting	M20 x 1.5 with Split Seal	HMP377	SWG12NPT12																
		Swagekok Probe Fitting	NPT Thread (12mm)	HMP377	SWG12ISO38																
		Swagekok Probe Fitting	ISO 3/8 Thread (12mm)	HMP377	SWG12ISO38																
		Swagekok Probe Fitting	ISO 1/2" Thread (12mm)	HMP377	SWG12ISO12																
6	Transmitter Type	No Display Display	Transmitter without Display and Keypad Transmitter with Display and Keypad																		
7	Output Units	Metric Non-Metric	Metric units Non-metric units																		
8-9	Analog Outputs	Parameter No Analog Output	Scale, Metric (Non-Metric)	Output signal																	
		Humidity, temperature, dew point	RH (%) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F) Dewpoint Temperature	0...100 % 0...+60 °C (+32...+140 °F) -40...+60 °C (-40...+140 °F) -20...+80 °C (-4...+176 °F) -40...+180 °C (-40...356 °F) -20...+120 °C (-4...+248 °F)	4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state)																
	Custom scaling	CH1 Parameter & Scale	CH2 Parameter & Scale																		
	Available parameters	Relative humidity Temperature Dewpoint temperature Dew/frostpoint temperature Dew/frostpoint at 1 atm Dewpoint at 1 atm Absolute humidity Mixing ratio	RH (%) T (°C   °F) Td (°C   °F) Tdfa (°C   °F) Tdfa (°C   °F) Tda (°C   °F) a (g/m3   gr/ft3) x (g/kg   gr/lb)	Wet bulb temperature Water concentration Water vapor pressure Enthalpy Water vapor saturation pressure Dewpoint temperature difference Absolute humidity at NTP Water mass fraction	Tw (°C   °F) H2O (ppmv) pw (hPa   psi) h ( kJ/kg   Btu/lb) pws (hPa   psi) DT (°C   °F) aNTP (g/m3   gr/ft3) H2Ow (ppmw)																
10	Cable Lead-through	Type No Cable Glands	Cable diameter dummy plug	Quantity	Spare part code	Manufacturer, Type															
	NOTE: Please choose the item that meets Ex-requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"	5...11 mm 10...14 mm 5...11 mm 10...14 mm	1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	254931SP 265207SP 265208SP 265243SP 265240SP	AGRO, EX1828.20/110" Hummel, HSK-MZ-Ex* ABB, EXNM20-M16/R* ABB, EXNM20-050/TC*															
11	Transmitter Accessories	Type No Transmitter Accessories	HMT360 Mounting Compatible		Spare part code	Manufacturer/Type															
	Note! All accessories can be ordered as a separate sales order line	HMT360 retrofit mounting plate USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator	for Transmitter for 1 Channel for 2 Channels (2 pcs) for 1 Channel for 1 Channel for 2 Channels (1 pc Double Channel)		DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP	Stahl, 9001/51-280-091-141 Stahl, 9160/13-11-11k Eaton, MTL5541/S Eaton, MTL5544															
12	Reserved	None																			

Additional information  
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:  
HMT370EX | 7 | 1 | P | 1 | N | B | 1 | A | C | 1 | N | N



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### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP378 Probe

HMT370EX Transmitter + HMP378 Probe for Pressurized Pipelines				HMT370EX				1. Probe Model	2. Ex Certificate	3. Probe Type	4. Filter	5. Probe Acc.	6. Transmitter Type	7. Output Units	8. CH1 Output	9. CH2 Output	10. Cable Lead-through	11. Transmitter Acc.	12. Not in use	N	Price	
1	Probe Model	HMP378	Probe for Pressurized Pipelines					8														
2	Ex Certification, Region and Product Markings	IECEX ATEX CML	Global Europe Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da				1 2 4														
3	Probe Cable Length and Sensor	Probe Model HMP378	Cable	Specification	Sensor																	
	Humidity		2m 5 m 10 m	215mm probe, max +180°C 215mm probe, max +180°C 215mm probe, max +180°C	HUMICAP® R2 HUMICAP® R2 HUMICAP® R2				T U V													
		HMP378	2m 5 m 10 m	400mm probe, max +180°C 400mm probe, max +180°C 400mm probe, max +180°C	HUMICAP® R2 HUMICAP® R2 HUMICAP® R2				W Y Z													
4	Sensor Protection	Type	Metallized PPS Plastic Filter Grid with Stainless Steel Mesh for general use Stainless Steel Sintered Filter (AISI 316L) for general use Stainless Steel Filter for vacuum environments (AISI 303) Metallized PPS Plastic Filter Grid for fast response in clean environments	Pore size	Spare part code																	
				15 µm 38 µm 3.15 mm holes 6.5 mm gaps	DRW010281SP HM47280SP HM47453SP DRW010276SP				1 2 3 4													
5	Probe Accessories	Type	No Accessories	Specification	Probe compatibility				Spare part code													
	Note! All accessories can be ordered as a separate sales order line	Ball Valve Fitting Body for Probe Mounting Fitting Body for Probe Mounting		ISO 1/2 with Welding Joint ISO1/2 Solid Structure NPT 1/2 Solid Structure	HMP378 HMP378 HMP378				BALLVALVE-1 DRW212076SP 212810SP	N D L M												
6		No Display Display		Transmitter without Display and Keypad Transmitter with Display and Keypad																		
7	Output Units	Metric Non-Metric		Metric units Non-metric units																		
	This selection applies also to analog outputs																					
8-9	Analog Outputs	Parameter	No Analog Output	Scale, Metric (Non-Metric)	Output signal																	
	Humidity, temperature, dew point	Humidity Temperature Temperature Temperature Dewpoint Temperature	RH (%) T (°C   °F) T (°C   °F) T (°C   °F) T (°C   °F) Td (°C   °F)	0...100 % 0...+60 °C (+32...+140 °F) -40...+60 °C (-40...+140 °F) -20...+80 °C (-4...+176 °F) -40...+180 °C (-40...356 °F) -20...+120 °C (-4...+248 °F)	4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state) 4... 20 mA (3.6 mA when in error state)				N A B C D E H													
	Custom scaling	CH1 Parameter & Scale		CH2 Parameter & Scale																		
	Available parameters	Relative humidity Temperature Dewpoint temperature Dew/frostpoint temperature Dew/frostpoint at 1 atm Dewpoint at 1 atm Absolute humidity Mixing ratio	RH (%) T (°C   °F) Td (°C   °F) Tdf (°C   °F) Tdfa (°C   °F) Tda (°C   °F) a (g/m3   gr/ft3) x (g/kg   gr/lb)	Wet bulb temperature Water concentration Water vapor pressure Enthalpy Water vapor saturation pressure Dewpoint temperature difference Absolute humidity at NTP Water mass fraction	Tw (°C   °F) H2O (ppmv) pw (hPa   psi) h ( kJ/kg   Btu/lb) pws (hPa   psi) DT (°C   °F) aNTP (g/m3   gr/ft3) H2Ow (ppmw)																	
10	Cable Lead-through	Type	No Cable Glands	Cable diameter	Quantity				Spare part code	Manufacturer, Type												
	NOTE: Please choose the item that meets Ex-requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"	5...11 mm 10...14 mm	1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	254931SP 265207SP 265208SP 265243SP 265240SP				AGRO, EX8720.08* AGRO, EX1826.20.110* Hummel, HSK-MZ-Ex* ABB, EXNM20-M16/R* ABB, EXNM20-050/TC*													
					*See current approvals from the manufacturer's data sheet																	
11	Transmitter Accessories	Type	No Transmitter Accessories	HMT360 retrofit mounting plate for Transmitter	Spare part code				Manufacturer/Type													
	Note! All accessories can be ordered as a separate sales order line	USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator			DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP				Stahl, 9001/51-280-091-141 Stahl, 9160/13-11-11k Eaton, MTL5541/S Eaton, MTL5544													
12	Reserved	None																				

Additional information  
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:  
HMT370EX | 8 | 1 | W | 3 | D | B | 1 | A | C | 1 | N | N



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### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP378F Probe

HMT370EX Transmitter + HMP378F Probe for Moisture in Oil					HMT370EX					N		Price									
1	<b>Probe Model</b> Moisture in oil	<b>HMP378F</b>	<b>Probe for Moisture in Oil</b>		F																
2	<b>Ex Certification, Region and Product Markings</b> Please see details in the Ex-certificate	<b>IECEX</b> <b>ATEX</b> <b>CML</b>	<b>Global</b> <b>Europe</b> <b>Japan</b>	<b>Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da</b> <b>II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da</b> <b>Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da</b>		1	2	4													
3	<b>Probe Cable Length and Sensor</b> Moisture in oil	<b>Probe Model</b> <b>HMP378F</b>	<b>Cable</b> 2m 5 m 10 m	<b>Specification</b> 215mm probe, max +180°C 215mm probe, max +180°C 215mm probe, max +180°C	<b>Sensor</b> <b>HUMICAP® 180L2</b> <b>HUMICAP® 180L2</b> <b>HUMICAP® 180L2</b>	1	2	3													
4	<b>Sensor Protection</b>	<b>Type</b> Stainless Steel Filter for oil and vacuum environments (AISI 303)	<b>Pore size</b> 3.15 mm holes	<b>Spare part code</b> HM47453SP				3													
5	<b>Probe Accessories</b> Note! All accessories can be ordered as a separate sales order line	<b>Type</b> Ball Valve <b>Fitting Body for Probe Mounting</b> <b>Fitting Body for Probe Mounting</b>	<b>Specification</b> ISO 1/2 with Welding Joint ISO1/2 Solid Structure NPT 1/2 Solid Structure	<b>Probe compatibility</b> HMP378 HMP378 HMP378	<b>Spare part code</b> BALLVALVE-1 DRW212076SP 212810SP					D	L	M									
6	<b>Transmitter Type</b>	<b>No Display</b> Display	<b>Transmitter without Display and Keypad</b> Transmitter with Display and Keypad			A	B														
7	<b>Output Units</b> This selection applies also to analog outputs	<b>Metric</b> <b>Non-Metric</b>	<b>Metric units</b> <b>Non-metric units</b>			1	2			Channel 1	Channel 2										
8-9	<b>Analog Outputs</b>	<b>Parameter</b> No Analog Output	<b>Scale, Metric (Non-Metric)</b>	<b>Output signal</b>						N	N										
	Moisture in oil	<b>Water Concentration in Oil</b> <b>Relative Saturation</b> <b>Water Activity</b> <b>Saturation temperature</b>	<b>H2O_oil (ppmw)</b> <b>RS (%RS)</b> <b>a<sub>w</sub></b> <b>Ts (°C   °F)</b>	<b>0...500 ppmw</b> <b>0...100 %</b> <b>0...1</b> <b>-40...60 °C (-40...140 °F)</b>	<b>4... 20 mA (3.6 mA when in error state)</b> <b>4... 20 mA (3.6 mA when in error state)</b> <b>4... 20 mA (3.6 mA when in error state)</b> <b>4... 20 mA (3.6 mA when in error state)</b>					M	M	P	P	R							
	Custom scaling	<b>CH1 Parameter &amp; Scale</b>	:	<b>CH2 Parameter &amp; Scale</b>	:					X	X										
	Available parameters for model HMP378F	<b>Temperature</b> <b>Relative saturation</b> <b>Water activity</b> <b>Water concentration in oil</b>	<b>T (°C   °F)</b> <b>RS (%RS)</b> <b>a<sub>w</sub></b> <b>H2O_oil (ppmw)</b>																		
10	<b>Cable Lead-through</b> NOTE: Please choose the item that meets Ex-requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	<b>Type</b> <b>No Cable Glands</b> Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"	<b>Cable diameter dummy plug</b> 5...11 mm 10...14 mm 5...11 mm 10...14 mm	<b>Quantity</b> 1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	<b>Spare part code</b> 254931SP 265207SP 265208SP 265243SP 265240SP	<b>Manufacturer, Type</b> <b>AGRO, EX8720.08*</b> <b>AGRO, EX1828.20/110*</b> <b>Hummel, HSK-MZ-Ex*</b> <b>ABB, EXNM20-M16/R*</b> <b>ABB, EXNM20-050/TC*</b>							0	1	2	3	4	5	6	7	8
11	<b>Transmitter Accessories</b> Note! All accessories can be ordered as a separate sales order line	<b>Type</b> <b>No Transmitter Accessories</b> HMT360 retrofit mounting plate USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator	<b>HMT360 Mounting Compatible for Transmitter for 1 Channel for 2 Channels (2 pcs)</b> <b>for 1 Channel for 1 Channel for 2 Channels (1 pc Double Channel)</b>	<b>Spare part code</b> DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP	<b>Manufacturer/Type</b> <b>Stahl, 9001/51-280-091-141</b> <b>Stahl, 9160/13-11-11k</b> <b>Eaton, MTL5541/S</b> <b>Eaton, MTL5544</b>					N	A	B	C	D	E	F	G				
12	<b>Reserved</b>	<b>None</b>																			

**Additional information**  
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:  
**HMT370EX | F | 1 | 1 | 3 | L | B | 1 | P | S | 1 | N | N**



Public Order Form for Global Use  
Valid from: June 2021

Purchaser \_\_\_\_\_ Order no. \_\_\_\_\_

### Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP378H Probe

HMT370EX Transmitter + HMP378H Probe for Moisture in JET A-1 Fuel				HMT370EX								Price		
1	Probe Model	Moisture in oil		H										
2	<b>Ex Certification, Region and Product Markings</b>	<b>HMP378H</b>		<b>Probe for Moisture in JET A-1 Fuel</b>		<b>H</b>								
	Please see details in the Ex-certificate	IECEX ATEX CML	Global Europe Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da	1 2 4									
3	<b>Probe Cable Length and Sensor</b>	<b>Probe Model</b>		<b>Cable</b>		<b>Specification</b>		<b>Sensor</b>						
	Moisture in JET-A1 fuel	HMP378H		2m 5 m 10 m		215mm probe, max +180°C 215mm probe, max +180°C 215mm probe, max +180°C		HUMICAP® 180L2 HUMICAP® 180L2 HUMICAP® 180L2		1 2 3				
4	<b>Sensor Protection</b>	<b>Type</b>		<b>Pore size</b>		<b>Spare part code</b>								
		Stainless Steel Filter for oil and vacuum environments (AISI 303)		3.15 mm holes		HM47453SP				3				
5	<b>Probe Accessories</b>	<b>Type</b>		<b>Specification</b>		<b>Probe compatibility</b>		<b>Spare part code</b>						
	Note! All accessories can be ordered as a separate sales order line	Ball Valve Fitting Body for Probe Mounting Fitting Body for Probe Mounting		ISO 1/2 with Welding Joint ISO1/2 Solid Structure NPT 1/2 Solid Structure		HMP378 HMP378 HMP378		BALLVALVE-1 DRW212076SP 212810SP			D L M			
6	<b>Transmitter Type</b>	<b>No Display</b>		<b>Transmitter without Display and Keypad</b>							A			
		Display		Transmitter with Display and Keypad							B			
7	<b>Output Units</b>	<b>Metric</b>		<b>Metric units</b>							1			
	This selection applies also to analog outputs	Non-Metric		Non-metric units							2	Channel 1		
8-9	<b>Analog Outputs</b>	<b>Parameter</b>		<b>Scale, Metric (Non-Metric)</b>		<b>Output signal</b>								
	Moisture in oil	No Analog Output										N	N	
		Water Concentration in Oil		H2O_oil (ppmw)		0...500 ppmw		4... 20 mA (3.6 mA when in error state)				M	M	
		Relative Saturation		RS (%RS)		0...100 %		4... 20 mA (3.6 mA when in error state)				P	P	
		Water Activity		a <sub>w</sub>		0...1		4... 20 mA (3.6 mA when in error state)				R	R	
		Saturation temperature		Ts (°C   °F)		-40...60 °C (-40...140 °F)		4... 20 mA (3.6 mA when in error state)				S	S	
	Custom scaling	CH1 Parameter & Scale		:		CH2 Parameter & Scale		:				X	X	
	Available parameters for model HMP378H	Temperature Relative saturation Water activity Water concentration in fuel Saturation temperature		T (°C   °F) RS (%RS) a <sub>w</sub> H2O fuel (ppmw) Ts (°C   °F)										
10	<b>Cable Lead-through</b>	<b>Type</b>		<b>Cable diameter</b>		<b>Quantity</b>		<b>Spare part code</b>		<b>Manufacturer, Type</b>				
	NOTE: Please choose the item that meets Ex-requirements in your country. You can use other glands and conduit fittings not listed here if they meet the IP / Ex-requirements. See details in the user documentation.	No Cable Glands Cable gland M20x1.5 Cable gland M20x1.5 Conduit fitting M16 Conduit fitting NPT1/2" Cable glands M20x1.5 Cable glands M20x1.5 Conduit fittings M16 Conduit fittings NPT1/2"		5...11 mm 10...14 mm 10...14 mm 5...11 mm 10...14 mm 10...14 mm		1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs		254931SP 265207SP 265208SP 265243SP 265240SP		AGRO, EX8720.08" AGRO, EX1828.20.110" Hummel, HSK-MZ-Ex" ABB, EXNM20-M16/R* ABB, EXNM20-050/TC*				0 1 2 3 4 5 6 7 8
11	<b>Transmitter Accessories</b>	<b>Type</b>		<b>Specification</b>		<b>Spare part code</b>		<b>Manufacturer/Type</b>						
	Note! All accessories can be ordered as a separate sales order line	No Transmitter Accessories HMT360 retrofit mounting plate USB Service Cable Zener Barrier Zener Barriers Galvanic Isolator Galvanic Isolator Galvanic Isolator		HMT360 Mounting Compatible for Transmitter for 1 Channel for 2 Channels (2 pcs) for 1 Channel for 1 Channel for 2 Channels (1 pc Double Channel)		DRW253246SP 219690 210664SP 212483SP MTL5541SP MTL5544SP		Stahl, 9001/51-280-091-141 Stahl, 9160/13-11-11k Eaton, MTL5541/S Eaton, MTL5544						N A B C D E F G
12	<b>Reserved</b>	<b>None</b>												

**Additional information**  
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:  
HMT370EX H | 1 | 1 | 3 | L | B | 1 | P | S | 1 | N | N





