

Purchaser

Order no.

HMT70EX Transmitter + HMP371 Probe for Wall Mounting

[illegible]

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 1 1 A 1 N B 1 A C 1 N N



Public Order Form for Global Use
Valid from: February 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				3														
2	Ex Certification and Region	IECEX ATEX	Global Europe					1													
3	Probe Cable Length and Sensor	Humidity	Probe Model HMP373	Cable 2m 5 m 10 m	Specification max +80°C max +80°C max +120°C	Sensor HUMICAP® R2 HUMICAP® R2 HUMICAP® R2		B													
			HMP373	2m 5 m 10 m	max +80°C max +120°C max +120°C	HUMICAP® R2 HUMICAP® R2 HUMICAP® R2		C D E F G													
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 Metalized PPS Plastic Filter Grid for fast response in clean environments	Pore size 15 µm 38 µm 6.5 mm gaps	Spare part code DRW010281SP HM47280SP DRW010276SP				1 2 4													
5	Probe Accessories	Type No Accessories Duct Installation Kit Cable Gland for Probe Mounting	Specification M20 x 1.5 with Split Seal	Probe compatibility HMP373/377 HMP373/HMP375/HMP377	Spare part code 210697 HMP247CG			N B E													
6	Transmitter Type	No Display Display	Transmitter without Display and Keypad Transmitter with Display and Keypad					A B													
7	Output Units	Metric Non-Metric	Metric units Non-metric units					1 2													
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 (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 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 5...11 mm 10...14 mm 5...11 mm 10...14 mm	Quantity 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	Spare part code 265207SP 265208SP 265243SP 265240SP	Manufacturer, Type AGRO, EX1826.20.110 Hummel, HSK-MZ-Ex ABB, EXNM20-M16/R ABB, EXNM20-050/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 3 1 E 1 N B 1 A C 1 N N



Public Order Form for Global Use
Valid from: February 2021

Purchaser

Order no.

Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP374 Probe

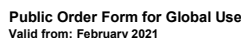
HMT370EX Transmitter + HMP374 Probe for Pressurized Processes										HMT370EX		1		2		3		4		5		6		7		8		9		10		11		12		N		Price		
1	Probe Model		HMP374		Probe for Pressurized Processes				4																															
2	Ex Certification and Region		IECEX ATEX		Global Europe						1 2																													
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 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 15 µm 38 µm 3.15 mm holes 6.5 mm gaps		Spare part code DRW010281SP HM47280SP HM47453SP DRW010276SP		1 2 3 4																															
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		F G																													
6	Transmitter Type		No Display Display		Transmitter without Display and Keypad Transmitter with Display and Keypad						A B																													
7	Output Units		Metric Non-Metric		Metric units Non-metric units						1 2																													
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)		A B C D E H																													
	Custom scaling		CH1 Parameter & Scale		:		CH2 Parameter & Scale		:		X X																													
	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 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 5...11 mm 10...14 mm 5...11 mm 10...14 mm		Quantity 1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs		Spare part code 265207SP 265208SP 265243SP 265240SP		Manufacturer, Type AGRO, EX1826.20.110 Hummel, HSK-MZ-Ex ABB, EXNM20-M16/R ABB, EXNM20-050/TC		0 1 2 3 4 5 6 7 8																											
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 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		N A B C D E F G																													
12	Reserved		None																																					
Additional information																																								

Additional Information

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Example of order code with typical settings:

HMT370EX 4 1 H 2 F B 1 A C 1 N N



Order no.

Model Certificate Type	Acc. mitter Type	Units Output	Output Lead-through	mitter Acc. n use
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Additional information
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Selections in italic are available at an extra price.

Example of order code with typical settings:

HMT370EX	5	1	L	2	N	B	1	A	C	1	N	N
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Public Order Form for Global Use
Valid from: February 2021

Purchaser

Order no.

Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP377 Probe

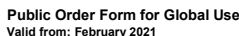
HMT370EX Transmitter + HMP377 Probe for High Humidities					HMT370EX												N	Price
1	Probe Model	HMP377	Probe for High Humidities		7													
2	Ex Certification and Region	IECEX ATEX	Global Europe		1 2													
3	Probe Cable Length and Sensor	Probe Model HMP377	Cable 2m 5 m 10 m	Specification max +180°C max +180°C max +180°C	Sensor HUMICAP® R2 HUMICAP® R2 HUMICAP® R2	P R S												
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 Metallized PPS Plastic Filter Grid for fast response in clean environments Stainless Steel Filter (AISI 303) with PTFE Membrane	Pore size 15 µm 38 µm 6.5 mm gaps 0.2 µm	Spare part code DRW010281SP HM47280SP DRW010276SP 214848SP	1 2 4 5													
5	Probe Accessories	Type No Accessories Duct Installation Kit Cable Gland for Probe Mounting Swagelok Probe Fitting Swagelok Probe Fitting Swagelok Probe Fitting	Specification M20 x 1.5 with Split Seal NPT Thread (12mm) ISO 3/8 Thread (12mm) ISO 1/2" Thread (12mm)	Probe compatibility HMP373/377 HMP373/HMP375/HMP377 HMP377 HMP377 HMP377	Spare part code 210697 HMP247CG SWG12NPT12 SWG12ISO38 SWG12ISO12	N B E H J K												
6	Transmitter Type	No Display Display	Transmitter without Display and Keypad Transmitter with Display and Keypad		A B													
7	Output Units	Metric Non-Metric	Metric units Non-metric units		1 2													
8-9	Analog Outputs	Parameter No Analog Output	Scale, Metric (Non-Metric)		Output signal	N N												
	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)	A A B B C D E H												
	Custom scaling	CH1 Parameter & Scale	CH2 Parameter & Scale		X X													
	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 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 5...11 mm 10...14 mm 5...11 mm 10...14 mm	Quantity 1 pc 1 pc 1 pc 1 pc 2 pcs 2 pcs 2 pcs 2 pcs	Spare part code 265207SP 265208SP 265243SP 265240SP	Manufacturer, Type AGRO, EX1826.20.110 Hummel, HSK-MZ-Ex ABB, EXNM20-M16/R ABB, EXNM20-050/TC	0 1 2 3 4 5 6 7 8											
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 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	N A B C D E F G												
12	Reserved	None																
Additional information																		

Additional information

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Example of order code with typical settings:

HMT370EX 7 1 P 1 N B 1 A C 1 N N



Purchaser

Order no.

HMT370EX Transmitter + HMP378 Probe for Pressurized Pipelines

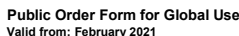
[illegible]

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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Order no.

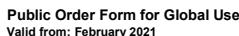
HMT370EX Transmitter + HMP378F Probe for Moisture in Oil

Additional information	
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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
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Purchaser

Order no.

HMT370EX Transmitter + HMP378H Probe for Moisture in JET A-1 Fuel

[illegible]

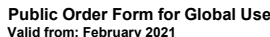
Additional information

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
----------	---	---	---	---	---	---	---	---	---	---	---	---



Purchaser

Order no.

Probe Model
Ex Certificate
Probe Type
Filter
Probe Acc.
Transmitter Type
Output Units
CH1 Output
CH2 Output
Cable Lead-through
Transmitter Acc.
Not in use

[illegible]

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	0	1	0	0	N	B	1	A	C	1	N	N
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Public Order Form for Global Use
Valid from: February 2021

Purchaser _____

Order no. _____

Intrinsically Safe Humidity and Temperature Probe HMP370EX (spare part)

Intrinsically Safe Humidity and Temperature Probe HMP370EX (spare part)					HMP370EX	1. Probe Model	2. Ex Certificate	3. Probe Type	4. Filter	5. Probe Accessories	6. Not in use	N	Price
1	Probe Model												
		HMP371	Probe for Wall Mounting			1							
		HMP373	Probe for Confined Spaces			3							
		HMP374	Probe for Pressurized Processes			4							
		HMP375	Probe for High Temperatures			5							
		HMP377	Probe for High Humidities			7							
		HMP378	Probe for Pressurized Pipelines			8							
	Moisture in oil	HMP378F	Probe for Moisture in Oil			F							
		HMP378H	Probe for Moisture in JET A-1 Fuel			H							
2	Ex Certification and Region												
		IECEX	Global			1							
		ATEX	Europe			2							
3	Probe Cable Length and Sensor												
	Humidity	Probe	Cable	Specification	Sensor								
		HMP371	No Cable	Fixed Probe, max +60°C	HUMICAP® R2					A			
		HMP373	2m	max +80°C	HUMICAP® R2					B			
			5 m	max +80°C	HUMICAP® R2					C			
			10 m	max +80°C	HUMICAP® R2					D			
		HMP373	2m	max +120°C	HUMICAP® R2					E			
			5 m	max +120°C	HUMICAP® R2					F			
			10 m	max +120°C	HUMICAP® R2					G			
		HMP374	2m	max +180°C	HUMICAP® R2					H			
			5 m	max +180°C	HUMICAP® R2					J			
			10 m	max +180°C	HUMICAP® R2					K			
		HMP375	2m	max +180°C	HUMICAP® R2					L			
			5 m	max +180°C	HUMICAP® R2					M			
			10 m	max +180°C	HUMICAP® R2					N			
		HMP377	2m	max +180°C	HUMICAP® R2					P			
			5 m	max +180°C	HUMICAP® R2					R			
			10 m	max +180°C	HUMICAP® R2					S			
		HMP378	2m	215mm probe, max +180°C	HUMICAP® R2					T			
			5 m	215mm probe, max +180°C	HUMICAP® R2					U			
			10 m	215mm probe, max +180°C	HUMICAP® R2					V			
		HMP378	2m	400mm probe, max +180°C	HUMICAP® R2					W			
			5 m	400mm probe, max +180°C	HUMICAP® R2					Y			
			10 m	400mm probe, max +180°C	HUMICAP® R2					Z			
	Moisture in oil and JET-A1 fuel	HMP378F/H	2m	215mm probe, max +180°C	HUMICAP® 180L2					1			
			5 m	215mm probe, max +180°C	HUMICAP® 180L2					2			
			10 m	215mm probe, max +180°C	HUMICAP® 180L2					3			
4	Sensor Protection												
		Type	Pore size		Spare part code								
		Metallized PPS Plastic Filter Grid with Stainless Steel Mesh for general use	15 µm		DRW010281SP					1			
		Stainless Steel Sintered Filter (AISI 316L) for general use	38 µm		HM47280SP					2			
		Stainless Steel Filter for oil and vacuum environments (AISI 303)	3.15 mm holes		HM47453SP					3			
		Metallized PPS Plastic Filter Grid for fast response in clean environments	6.5 mm gaps		DRW010276SP					4			
		Stainless Steel Filter (AISI 303) with PTFE Membrane	0.2 µm		214848SP					5			
5	Probe Accessories												
		Type	Specification		Probe compatibility	Spare part code							
		No Accessories										N	
	Note! All accessories can be ordered as a separate sales order line	Duct Installation Kit			HMP373/377	210697						B	
		Mounting Flange			HMP375	210696						C	
		Ball Valve	ISO 1/2 with Welding Joint		HMP378/F/H	BALL VALVE-1						D	
		Cable Gland for Probe Mounting	M20 x 1.5 with Split Seal		HMP373/HMP375/HMP377	HMP247CG						E	
		Fitting Body for Probe Mounting	M22 x 1.5		HMP374	17223SP						F	
		Fitting Body for Probe Mounting	NPT 1/2		HMP374	17225SP						G	
		Swagelok Probe Fitting	NPT Thread (12mm)		HMP377	SWG12NPT12						H	
		Swagelok Probe Fitting	ISO 3/8 Thread (12mm)		HMP377	SWG12ISO38						J	
		Swagelok Probe Fitting	ISO 1/2" Thread (12mm)		HMP377	SWG12ISO12						K	
		Fitting Body for Probe Mounting	ISO1/2 Solid Structure		HMP378	DRW212076SP						L	
		Fitting Body for Probe Mounting	NPT 1/2 Solid Structure		HMP378	212810SP						M	
		Manual press			HMP378/F/H	HM36854SP						P	
		USB2 Service Cable			All probes	USB2						S	
6	Reserved												
		None										N	
Additional information													

Additional information
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Selections in *italic* are available at an extra price.

Example of order code with typical settings:
HMP370EX 1 1 A 1 N N