

Purchaser

Order no.

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

[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:

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: April 2022

Purchaser

Order no.

Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP373 Probe

HMT370EX Transmitter + HMP373 Probe for Confined Spaces					HMT370EX												N		Price
1	Probe Model				3	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		
2	Ex Certification	Certificate IECEX ATEX CML FM MET NEPSI KTL KCs CML UKEX	Probe for Confined Spaces Region Global Europe Japan USA USA, Canada China Korea United Kingdom	Product markings 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 IS Class I, II, III, Division 1, Groups A, B, C, D, E, F, G Please see details in the Certification Records Ex ia IIC T4 Ga 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	1 2 4 5 6 8 9 B														
3	Probe Cable Length and Sensor	Probe Model Humidity & Temperature HMP373	Cable 2m 5 m 10 m 2m 5 m 10 m	Specification max +80°C max +80°C max +80°C max +120°C max +120°C max +120°C	Sensor HUMICAP® R2 HUMICAP® R2 HUMICAP® R2 HUMICAP® R2 HUMICAP® R2 HUMICAP® R2	B 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 (AlSi 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 SI-Units	Metric units Non-metric units Fixed metric units			1 2 J													
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)	N 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 dummy plug 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 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*	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 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

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



Purchaser

Order no.

HMT370EX Transmitter + HMP374 Probe for Pressurized Processes

[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	4	1	H	2	F	B	1	A	C	1	N	N
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Public Order Form for Global Use
Valid from: April 2022

Purchaser

Order no.

Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP375 Probe

HMT370EX Transmitter + HMP375 Probe for High Temperatures					HMT370EX												N	Price
1	Probe Model	HMP375	Probe for High Temperatures		5													
2	Ex Certification Please see details in the Ex-certificate	Certificate	Region	Product markings														
		IECEX	Global	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85 °C Da	1													
		ATEX	Europe	II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da	2													
		CML	Japan	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da	4													
		FM	USA	IS Class I, II, III, Division 1, Groups A, B, C, D, E, F, G	5													
		MET	USA, Canada	Please see details in the Certification Records	6													
		NEPSI	China	Ex ia IIC T4 Ga	8													
		KTL KCs	Korea	Ex ia IIC T4 Ga / Ex ia IIIC T200 +85°C Da	9													
		CML UKEX	United Kingdom	II 1G Ex ia IIC T4 Ga / II 1D Ex ia IIIC T200 +85 °C Da	B													
3	Probe Cable Length and Sensor Humidity & Temperature	Probe Model	Cable	Specification	Sensor													
		HMP375	2m	max +180°C	HUMICAP® R2	L												
			5 m	max +180°C	HUMICAP® R2	M												
4	Sensor Protection		10 m	max +180°C	HUMICAP® R2	N												
		Type		Pore size	Spare part code													
		Metallized PPS Plastic Filter Grid with Stainless Steel Mesh for general use		15 µm	DRW010281SP	1												
5	Probe Accessories																	
		No Accessories																
		Mounting Flange																
6	Transmitter Type																	
		Cable Gland for Probe Mounting	M20 x 1.5 with Split Seal	HMP375	210696													
				HMP373/HMP375/HMP377	HMP247CG	E												
7	Output Units	No Display		Transmitter without Display and Keypad														
		Display		Transmitter with Display and Keypad														
8	Analog Outputs																	
		Metric		Metric units														
		Non-Metric		Non-metric units														
9	Analog Outputs	SI-Units		Fixed metric units														
10	Cable Lead-through	Parameter		Scale, Metric (Non-Metric)	Output signal													
		No Analog Output																
		Humidity, temperature, dew point	Humidity	RH (%)	4... 20 mA (3.6 mA when in error state)													
			Temperature	T (°C °F)	4... 20 mA (3.6 mA when in error state)													
			Temperature	T (°C °F)	4... 20 mA (3.6 mA when in error state)													
			Temperature	T (°C °F)	4... 20 mA (3.6 mA when in error state)													
			Temperature	T (°C °F)	4... 20 mA (3.6 mA when in error state)													
			Dewpoint Temperature	Td (°C °F)	4... 20 mA (3.6 mA when in error state)													
		Custom scaling	CH1 Parameter & Scale															
		Available parameters	Relative humidity	RH (%)	Tw (°C °F)													
			Temperature	T (°C °F)	H2O (ppmv)													
11	Transmitter Accessories	Type																
		No Transmitter Accessories																
		HMT360 retrofit mounting plate	HMT360 Mounting Compatible		DRW253246SP													
		USB Service Cable	for Transmitter		219690													
		Zener Barrier	for 1 Channel		210664SP													
		Zener Barriers	for 2 Channels (2 pcs)															
		Galvanic Isolator	for 1 Channel		212483SP													
		Galvanic Isolator	for 1 Channel		MTL5541SP													
		Galvanic Isolator	for 2 Channels (1 pc Double Channel)		MTL5544SP													
12	Reserved																	
		None																

Additional information

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Example of order code with typical settings:

HMT370EX | 5 | 1 | L | 2 | N | B | 1 | A | C | 1 | N | N



Public Order Form for Global Use
Valid from: April 2022

Purchaser

Order no.

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		7															
2	Ex Certification	Certificate IECEX ATEX CML FM MET NEPSI KTL KCs CML UKEX	Region Global Europe Japan USA USA, Canada China Korea United Kingdom	Product markings 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 IS Class I, II, III, Division 1, Groups A, B, C, D, E, F, G Please see details in the Certification Records Ex ia IIC T4 Ga 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		1	2	3	4	5	6	7	8	9	10	11	12			
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 SI-Units	Metric units Non-metric units Fixed metric units			1 2 J														
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) 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)	N 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) Td _f (°C °F) Td _f (°C °F) Td _a (°C °F) a (g/m3 gr/ft3) x (g/kg qr/ft3)	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 qr/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.	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, EXIN/M20-M16/R* ABB, EXIN/M20-050/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	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 DRW263246SP 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

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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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Valid from: April 2022

Purchaser

Order no.

Intrinsically Safe Humidity and Temperature Transmitter HMT370EX with HMP378 Probe

HMT370EX Transmitter + HMP378 Probe for Pressurized Pipelines					HMT370EX		8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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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 8 1 W 3 D B 1 A C 1 N N



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Valid from: April 2022

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Order no.

Intrinsically Safe Transmitter HMT370EX with Temperature Measurement Probe

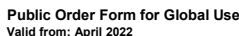
HMT370EX Transmitter + HMP371/HMP373 Probe with Temperature only Measurement					HMT370EX		1. Probe Model	2. Ex Certificate	3. Probe Type	4. Filter	5. Probe Acc.	6. Transmitter Type	7. Output Units	8. CH1 Output	9. CH2 Output	10. Cable Lead-through	11. Transmitter Acc.	12. Not in use	N	Price
1	Probe Model	HMP371 HMP373	Probe for Wall Mounting Probe for Confined Spaces			1														
2	Ex Certification	Certificate IECEX ATEX CML FM MET NEPSI KTL KCs CML UKEX	Region Global Europe Japan USA USA, Canada China Korea United Kingdom	Product markings 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 IS Class I, II, III, Division 1, Groups A, B, C, D, E, F, G Please see details in the Certification Records Ex ia IIC T4 Ga 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		1 2 4 5 6 8 9 B														
3	Probe Cable Length and Sensor	Probe Model HMP371 HMP373	Cable No Cable 2m 5 m 10 m	Specification Fixed Probe, max +60 °C max +120 °C max +120 °C max +120 °C	Sensor Temperature sensor only Temperature sensor only Temperature sensor only Temperature sensor only	4 5 6 7														
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	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 SI-Units	Metric units Non-metric units Fixed metric units			1 2 J														
8-9	Analog Outputs	Parameter No Analog Output	Scale, Metric (Non-Metric)	Output signal		N N														
	Temperature	Temperature Temperature Temperature Temperature	T (°C °F) -40...+60 °C (+32...+ 140 °F) T (°C °F) -20...+80 °C (-4...+176 °F) T (°C °F) -40...+180 °C (-40...356 °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)		B B C D E														
	Custom scaling	CH1 Parameter & Scale CH2 Parameter & Scale		X X														
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 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, EXIN/M20-M16/R* ABB, EXIN/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 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

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|5|4|N|B|1|D|N|1|N|N



Purchaser

Order no.

HMT370EX Transmitter + HMP378F Probe for Moisture in Oil

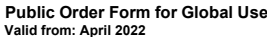
[illegible]

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	F	1	1	3	L	B	1	P	S	1	N	N
----------	---	---	---	---	---	---	---	---	---	---	---	---



Purchaser

Order no.

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

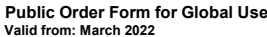
[illegible]

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.

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

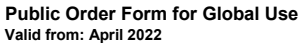
[illegible]

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



Order no.

1. Probe Model
2. Ex Certificate
3. Probe Type
4. Filter
5. Probe Accessories
6. Not in use

1. Probe Model
2. Ex Certificate
3. Probe Type
4. Filter
5. Probe Access
6. Not in use

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:

HMP370EX	1	1	A	1	N	N
----------	---	---	---	---	---	---