



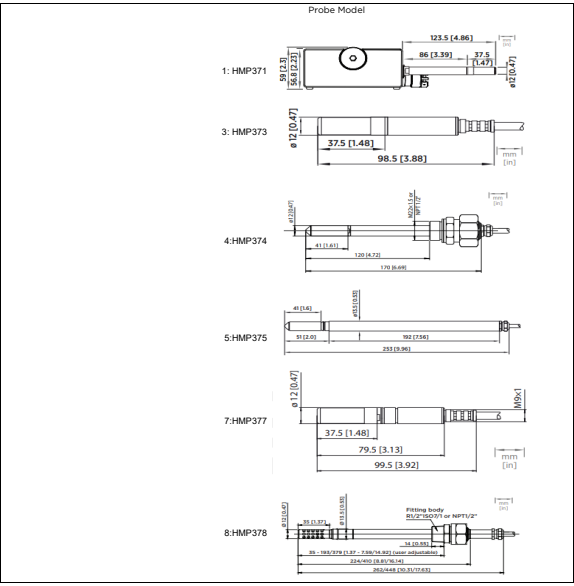
Intrinsically Safe Humidity and Temperature Transmitter HMT370EX		Sparepart		HMT370EX												
				1	2	3	4	5	6	7	8	9	10	11	12	
Hardware	1 Probe Model	HMT370 Transmitter Unit only		0												
		• HMP371 Probe for Wall Mounting		1												
		• HMP373 Probe for Confined Spaces		3												
		• HMP374 Probe for Pressurized Processes		4												
		• HMP375 Probe for High Temperatures		5												
		• HMP377 Probe for High Humidities		7												
		• HMP378 Probe for Pressurized Pipelines		8												
	2 Ex certification and Region	IECEX Certificate for HMT370EX and HMP370EX (Global)		1												
		ATEX Certificate for HMT370EX and HMP370EX (Europe)		2												
		CML Certificate for HMT370EX (Japan)		4												
	FM Certificate for HMT370EX (USA and Canada)		5													
	NEPSI Certificate for HMT370EX and HMP370EX (China)		8													
	KCs Certificate for HMT370EX and HMP370EX (Korea)		9													
	UKEX Certificate for HMT370EX and HMP370EX (UK)		B													
Hardware	3 Probe Cable Length and Sensor	Transmitter only, no probe		0												
		• HMP371: Fixed Probe, max 60°C		A												
		HMP373: Probe Cable 2 m, max +80 °C		B												
		• HMP373: Probe Cable 5 m, max +80 °C		C												
		• HMP373: Probe Cable 10 m, max +80 °C		D												
		• HMP373: Probe Cable 2 m, max +120 °C		E												
		• HMP373: Probe Cable 5 m, max +120 °C		F												
		• HMP373: Probe Cable 10 m, max +120 °C		G												
		HMP374: Probe Cable 2 m, max +180 °C		H												
		• HMP374: Probe Cable 5 m, max +180 °C		J												
		• HMP374: Probe Cable 10 m, max +180 °C		K												
		HMP375: Probe Cable 2 m, max +180 °C		L												
		• HMP375: Probe Cable 5 m, max +180 °C		M												
		• HMP375: Probe Cable 10 m, max +180 °C		N												
		HMP377: Probe Cable 2 m, max +180 °C		P												
		• HMP377: Probe Cable 5 m, max +180 °C		R												
		• HMP377: Probe Cable 10 m, max +180 °C		S												
		HMP378: Probe Cable 2 m, Probe 262 mm, max +180 °C		T												
		• HMP378: Probe Cable 5 m, Probe 262 mm, max +180 °C		U												
		• HMP378: Probe Cable 10 m, Probe 262 mm, max +180 °C		V												
		• HMP378: Probe Cable 2 m, Probe 448 mm, max +180 °C		W												
		• HMP378: Probe Cable 5 m, Probe 448 mm, max +180 °C		Y												
		• HMP378: Probe Cable 10 m, Probe 448 mm, max +180 °C		Z												
		HMP371: Fixed Probe, max +60°C T-only		4												
		HMP373: Probe Cable 2 m, max +120 °C T-only		5												
	• HMP373: Probe Cable 5 m, max +120 °C T-only		6													
	• HMP373: Probe Cable 10 m, max +120 °C T-only		7													
Hardware	4 Sensor Protection	Transmitter only		0												
		• Plastic grid & SST net filter, All probes	DRW010281SP	1												
		• Sintered Stainless Steel Filter, all probes	HM47280SP	2												
		• Stainless Steel Filter for Oil and Vacuum [AISI 303], HMP374/8	HM47453SP	3												
		• Plastic Grid, Fast Response in Clean Environments, not for HMP378H/8F	DRW0102765SP	4												
		• Stainless Steel Filter [AISI 303] with PTFE Membrane, HMP377	214848SP	5												
		• Stainless Steel Filter for High Flow Applications	2207925SP	6												
Accessories	5 Probe Accessories	No Accessories		N												
		• Duct installation kit, HMP373/7	210697	B												
		• Mounting Flange, HMP375	210696	C												
		• Ball Valve ISO1/2 with Welding Joint, HMP378/8F/8H	BALL VALVE-1	D												
		• Cable Gland for Probe Mounting, M20 x 1.5 with Split Seal, HMP373/5/7	HMP247CG	E												
		• Fitting Body for Probe Mounting, M22 x 1.5, HMP374	172235P	F												
		• Fitting Body for Probe Mounting, NPT 1/2, HMP374	172255P	G												
		• Swagelok Probe Fitting, NPT 1/2 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, ISO 1/2 Solid Structure, HMP378	DRW12012765P	L												
		• Fitting Body for Probe Mounting, NPT 1/2 Solid Structure, HMP378	212810SP	M												
	Hardware	6 Transmitter type	Transmitter without Display and Keypad		A											
		• Transmitter with Display and Keypad, must be protected against direct sunlight to maintain EX-protection!		B												
Settings	7 Output Units	Metric Units		1												
		Non-Metric Units		2												
Hardware	8 Analog Outputs Channel 1	No Analog Output		N												
	9 Analog Outputs Channel 2	RH (0...100%)		A												
		T (0...+60 °C)		B												
		T (-40...+60 °C)		C												
		T (-20...+80 °C)		D												
		T (-40...+180 °C)		E												
		Td/f (-20...+120 °C)		H												
		Td/f (-60...+40 °C)		J												
		• Specify, please specify parameter and scale:		X												
		X		X												
Hardware	10 Cable Lead-through ²	Plugged Lead-Through	254931SP	AGRO, EXB70.08 ³		0										
		• Cable Gland M20x1.5 for Cable 5...11 mm	265207SP	AGRO, EX1826.20.110 ⁴		1										
		• Cable Gland M20x1.5 for Cable 10...14 mm	265208SP	Hummel, HSK-MZ-EX ⁵		2										
		• Conduit Fitting M20x1.5 M16	265243SP	ABB, EXN/M20-M16/R ⁶		3										
		• Conduit Fitting M20x1.5 NPT1/2	265240SP	ABB, EXN/M20-050/TC ⁶		4										
		• Cable Gland M20x1.5 for Cable 5...11 mm, 2 pcs				5										
		• Cable Gland M20x1.5 for Cable 10...14 mm, 2 pcs				6										
		• Conduit Fitting M20x1.5 M16, 2 pcs				7										
		• Conduit Fitting M20x1.5 NPT1/2, 2 pcs				8										
	Hardware	11 Transmitter Accessories	No Transmitter Accessories		N											
		• Mounting Plate HMT360 Mounting Compatible	DRW253246SP		A											
		• Service Cable for Transmitter, USB	219690		B											
		• Zener Barrier for 1 Channel	210664SP	Stahl, 9001/51-280-091-141		C										
		• Zener Barriers for 2 Channels	2x 210664SP	2x Stahl, 9001/51-280-091-141		D										
		• Repeater Power Supply for 1 Channels, GM ¹	272886SP	GM, DS014S		H										
	• Repeater Power Supply for 2 Channels, GM ¹	272887SP	GM, DS014D		J											

1) Please see details in the Ex-Certificate
 2) Please choose the item that meets the Ex-requirements in your country. You can use other glands and conduit fittings provided they meet the IP/EX-requirements. See details in the user documentation
 3) Not certified for Japanese market. Please order item code: 269756 instead (order separately)
 4) Not certified for Japanese market. Please order item code: 269757 instead (order separately)

Note:	Selections in bold are included in the prices of the basic versions.
	• Selections in <i>italic</i> are available at an extra price
	➔ Suggested/default selection
Links:	User guide Data sheet Vaisala.com product page

Accessories and spare parts	Part number
Fitting Body M2x15	17225SP
Fitting Body NPT1/2	17225SP
Pressure Fitting ISO 1/2 to NPT 1/2	210662SP
Zener Barrier - Stahl part number 900151-280-091-141: 1 barrier per channel	210664SP
Mounting Flange for 13.5mm Diameter Probe	210595
Duct Installation Kit For 12mm Probe 210697	210697
Calibration Adapter for HMK15	211302SP
Galvanic Isolator - Stahl part number 9160/13-11-11K	212483SP
Fitting Body NPT1/2 Solid Structure	212910SP
Stainless Steel Filter with Membrane	214848SP
Outdoor Installation kit (Weather shield)	216109
USB Service Cable M8-4P, K5485	216490
Stainless Steel Filter High Flow	220792SP
Dummy Plug with O-ring, Ex 2 pcs	254931SP
Cable Gland M20x15/12mm, 5.0-11.0mm, MsNi/NBR, IP68	266207SP
Cable Gland M20x15/6mm, 10-14mm, MsNi/PA/NBR, IP68	266208SP
Conduit Fitting M20x15mm, 12in, Ms/Ni	266242SP
Conduit Fitting M20x15mm, M16, Ms/Ni	266243SP
GMI D5014S Repeater PSU 1ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail Japan	269756
GMI D5014D Repeater PSU 2ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail Japan	269757
Repeater Power Supply 1ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail	272884SP
Repeater Power Supply 2ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail	272887SP
4PROBESETSP For HMP4 and HMT370EX	4PROBESETSP
BALL VALVE-1	BALL VALVE-1
DRW1021765P	DRW1021765P
DRW102818P	DRW102818P
DRW120765P	DRW120765P
DRW2632465P	DRW2632465P
HM458545SP	HM458545SP
HM472805P	HM472805P
HM474535P	HM474535P
HMP247CG	HMP247CG
SWG1293038	SWG1293038
SWG13NP112	SWG13NP112
USB2	USB2

Example of order code with typical settings:
 1 2 3 4 5 6 7 8 9 10 11 12
 HMP271 Probe for Wall Mounting, HMT370EX **1** **1** **2** **1** **1** **N** **B** **1** **A** **C** **1** **N** **N**
 HMP373 Probe for Confined Spaces, HMT370EX **3** **1** **B** **1** **N** **B** **1** **A** **C** **1** **N** **N**
 HMP374 Probe for Pressurized Processes, HMT370EX **4** **1** **H** **2** **F** **B** **1** **A** **C** **1** **N** **N**
 HMP375 Probe for High Temperatures, HMT370EX **5** **1** **L** **2** **N** **B** **1** **A** **C** **1** **N** **N**
 HMP377 Probe for High-Humidities, HMT370EX **7** **1** **P** **1** **N** **B** **1** **A** **C** **1** **N** **N**
 HMP378 Probe for Pressurized Pipelines, HMT370EX **8** **1** **W** **3** **B** **1** **A** **C** **1** **N** **N**
 HMP371 Probe for wall mounting, T only, HMT370EX **1** **1** **4** **A** **N** **B** **1** **D** **N** **1** **N** **N**
 HMP373 Probe for Confined Spaces, T only, HMT370EX **3** **1** **5** **4** **A** **N** **B** **1** **D** **N** **1** **N** **N**



VAISALA

HMT370EX
Intrinsically Safe Humidity and Temperature Transmitter HMT370EX
For measurements in oil and JET A-1 fuel



Sparepart

	Intrinsically Safe Humidity and Temperature Transmitter HMT370EX	HMT370EX	1	2	3	4	5	6	7	8	9	10	11	12	
hardware	1 Probe Model	HMT370 Transmitter Unit only	0												
		• HMP378F Probe for Moisture in Oil	F												
		• HMP378H Probe for Moisture in JET A-1 Fuel	H												
	2 Ex certification and Region		IECEX Certificate for HMT370EX and HMP370EX (Global)	1											
			ATEX Certificate for HMT370EX and HMP370EX (Europe)	2											
			CML Certificate for HMT370EX (Japan)	4											
			FM Certificate for HMT370EX (USA and Canada)	5											
			NEPSI Certificate for HMT370EX and HMP370EX (China)	8											
			KCs Certificate for HMT370EX and HMP370EX (Korea)	9											
	3 Probe Cable Length and Sensor		UKEX Certificate for HMT370EX and HMP370EX (UK)	B											
		Transmitter only, no probe	0												
		HMP378F/H: Probe Cable 2 m, Probe 215 mm, max +180 °C	1												
		• HMP378F/H: Probe Cable 5 m, Probe 215 mm, max +180 °C	2												
4 Sensor Protection		• HMP378F/H: Probe Cable 10 m, Probe 215 mm, max +180 °C	3												
		Transmitter only	0												
		Stainless Steel Filter for Oil and Vacuum (AISI 303), HMP374/8	HM47453SP	3											
5 Probe Accessories		Stainless Steel Filter for High Flow Applications	Z20752SP	6											
		No Accessories		N											
		• Ball Valve ISO1/2 with Welding Joint, HMP378/8F/8H	BALL VALVE-1	D											
6 Transmitter type		Fitting Body for Probe Mounting, ISO 1/2 Solid Structure, HMP378	DRW212076SP	L											
		Fitting Body for Probe Mounting, NPT 1/2 Solid Structure, HMP378	212810SP	M											
		Transmitter without Display and Keypad		A											
7 Output Units		• Transmitter with Display and Keypad, must be protected against direct sunlight to maintain EX-protection!		B											
		Metric Units		1											
		Non-Metric Units		2											
settings		Metric (SI) -units only, for Japanese market		J											
	8 Analog Outputs Channel 1		No Analog Output		N										
			T (0...+60 °C)		B										
	9 Analog Outputs Channel 2		T (-40...+60 °C)		C										
			T (-20...+80 °C)		D										
			T (-40...+180 °C)		E										
			JET A-1 Water Concentration (0...500 ppmw)		L										
			Mineral transformer oil Water Concentration (0...500 ppmw)		M										
			Liquid Relative Saturation (0...100 %)		P										
			Liquid Water Activity (0...1)		R										
		Liquid Saturation Temperature (-40...+60 °C)		S											
	• Special, please specify parameter and scale		X												
hardware	10 Cable Lead-through ¹⁾	Plugged Lead-Through	254931SP	AGRO, EX8720.08"										0	
		• Cable Gland M20x1.5 for Cable 5...11 mm	265207SP	AGRO, EX1826.20.110"										1	
		• Cable Gland M20x1.5 for Cable 10...14 mm	265208SP	Hummel, HSK-MZ-Ex ²⁾										2	
		• Conduit Fitting M20x1.5 M16	265243SP	ABB, EXN/M20-M16/R ³⁾										3	
		• Conduit Fitting M20x1.5 NPT1/2	265240SP	ABB, EXN/M20-050/TC ⁴⁾										4	
		• Cable Gland M20x1.5 for Cable 5...11 mm, 2 pcs												5	
		• Cable Gland M20x1.5 for Cable 10...14 mm, 2 pcs												6	
		• Conduit Fitting M20x1.5 M16, 2 pcs												7	
		• Conduit Fitting M20x1.5 NPT1/2, 2 pcs												8	
	11 Transmitter Accessories		No Transmitter Accessories												N
		• Mounting Plate HMT360 Mounting Compatible	DRW25324SP											A	
		• Service Cable for Transmitter, USB	219690											B	
		• Zener Barrier for 1 Channel	210664SP	Stahl, 9001/51-280-091-141										C	
		• Zener Barriers for 2 Channels	2x 210664SP	2x Stahl, 9001/51-280-091-141										D	
		• Repeater Power Supply for 1 Channels, GMI ⁴⁾	272886SP	GMI, D5014S										H	
		• Repeater Power Supply for 2 Channels, GMI ⁴⁾	272887SP	GMI, D5014D										J	

- 1) Please see details in the Ex-Certificate
- 2) Please choose the item that meets the Ex-requirements in your country. You can use other glands and conduit fittings provided they meet the IP/EX-requirements. See details in the user documentation
- 3) Not certified for Japanese market. Please order item code: 269756 instead [order separately]
- 4) Not certified for Japanese market. Please order item code: 269757 instead [order separately]

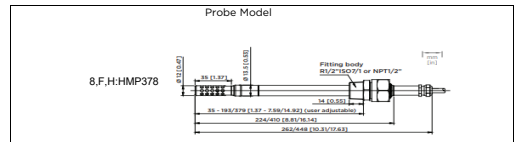
Notes:	Selections in bold are included in the prices of the basic versions.
	• Selections in <i>italic</i> are available at an extra price.
	• Suggested/default selection
Links:	User guide Datasheet Vaisala.com product page

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12
HMP378F Probe for Moisture in Oil, HMT370EX	F	1	1	3	L	B	1	P	S	I	N	N
HMP378H Probe for Moisture in JET A-1 Fuel, HMT370EX	H	1	1	3	L	B	1	P	S	I	N	N

- Accessories and spare parts**
- Fitting Body M22x1.5
 - Fitting Body NPT1/2
 - Pressure Fitting ISO 1/2 to NPT 1/2
 - Zener Barrier - Stahl part number 9001/51-280-091-141: 1 barrier per channel
 - Mounting Flange for 13.5mm Diameter Probe
 - Duct Installation Kit For 12mm Probe 210697
 - Calibration Adapter for HMT370EX
 - Galvanic Isolator - Stahl part number 9160/13-11-11k
 - Fitting Body Npt1/2 Solid Structure
 - Stainless Steel Filter with Membrane
 - Outdoor Installation kit (Weather shield)
 - USB Service Cable M8-4F, RS485
 - Stainless Steel Filter High Flow
 - Dummy Plug with O-ring, Ex 2 pcs
 - Cable Gland M20x1.5/12mm, 5.0-11.0mm, Ms/Ni/NBR, IP68
 - Cable Gland M20x1.5/6mm, 10-14mm, Ms/Ni/PA/NBR, IP68
 - Conduit Fitting M20x1.5mm, 1/2in, Ms/Ni
 - Conduit Fitting M20x1.5mm, M16, Ms/Ni
 - GMI D5014S Repeater PSU 1ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail Japan
 - GMI D5014D Repeater PSU 2ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail Japan
 - Repeater Power Supply 1ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail
 - Repeater Power Supply 2ch, SIL3, HART, 18...30VDC, 2.5kV, DIN-Rail
 - 4PROBESETSP For HMP4 and HMT370EX
 - Ball Valve ISO1/2 with Welding Joint
 - PPS Plastic Grid Filter
 - Metal Coated PPS Grid Filter with Stainless Steel Mesh, Female Thread
 - Fitting Body ISO1/2 Solid Structure
 - Backplate for HMT370EX HMT360 Mounting Compatible
 - Manual Press
 - Sintered Stainless Steel Filter, Female Thread
 - Stainless Steel Filter
 - Cable Gland M20x1.5 with Split Seal
 - Swagelok for 12mm Probe 3/8" ISO Thread
 - Swagelok for 12mm Probe 1/2" NPT Thread
 - Indigo-compatible USB Adapter

- Part number**
- 17233SP
 - 1725SP
 - 210662SP
 - 210664SP
 - 210696
 - 210697
 - 213023P
 - 212483SP
 - 212810SP
 - 214848SP
 - 215109
 - 219690
 - 220752SP
 - 254931SP
 - 265207SP
 - 265208SP
 - 265240SP
 - 265243SP
 - 269756
 - 269757
 - 272886SP
 - 272887SP
 - 4PROBESETSP
 - BALLVALVE-1
 - DRW010276SP
 - DRW010281SP
 - DRW212076SP
 - DRW253246SP
 - HM36854SP
 - HM47280SP
 - HM47453SP
 - HMP370G
 - SWG12ISO38
 - SWG12NPT12
 - USB2



VAISALA

HMP370EX
Intrinsically Safe Humidity and Temperature Probe



Sparepart

1 2 3 4 5 6

Intrinsically Safe Humidity and Temperature Probe		HMP370EX		1	2	3	4	5	6
Hardware	1 Probe Model	<ul style="list-style-type: none"> HMP371 Probe for Wall Mounting HMP373 Probe for Confined Spaces HMP374 Probe for Pressurized Processes HMP375 Probe for High Temperatures HMP377 Probe for High Humidities HMP378 Probe for Pressurized Pipelines HMP378F Probe for Moisture in Oil HMP378H Probe for Moisture in JET A-1 Fuel 							
	2 Ex certification and Region	<ul style="list-style-type: none"> IECEX Certificate for HMP370EX (Global) ATEX Certificate for HMP370EX (Europe) CML Certificate for HMP370EX (Japan) FM Certificate for HMP370EX (USA and Canada) NEPSI Certificate for HMP370EX (China) KCs Certificate for HMP370EX (Korea) UKEX Certificate for HMP370EX (UK) 							
	3 Probe Cable Length and Sensor	<ul style="list-style-type: none"> HMP371: Fixed Probe, max +60°C HMP373: Probe Cable 2 m, max +80 °C HMP373: Probe Cable 5 m, max +80 °C HMP373: Probe Cable 5 m, max +80 °C HMP373: Probe Cable 2 m, max +120 °C HMP373: Probe Cable 5 m, max +120 °C HMP373: Probe Cable 10 m, max +120 °C HMP374: Probe Cable 2 m, max +180 °C HMP374: Probe Cable 5 m, max +180 °C HMP374: Probe Cable 10 m, max +180 °C HMP375: Probe Cable 2 m, max +180 °C HMP375: Probe Cable 5 m, max +180 °C HMP375: Probe Cable 10 m, max +180 °C HMP377: Probe Cable 2 m, max +180 °C HMP377: Probe Cable 5 m, max +180 °C HMP377: Probe Cable 10 m, max +180 °C HMP378: Probe Cable 2 m, Probe 262 mm, max +180 °C HMP378: Probe Cable 5 m, Probe 262 mm, max +180 °C HMP378: Probe Cable 10 m, Probe 262 mm, max +180 °C HMP378: Probe Cable 2 m, Probe 448 mm, max +180 °C HMP378: Probe Cable 5 m, Probe 448 mm, max +180 °C HMP378: Probe Cable 10 m, Probe 448 mm, max +180 °C HMP378F/H: Probe Cable 2 m, Probe 215 mm, max +180 °C HMP378F/H: Probe Cable 5 m, Probe 215 mm, max +180 °C HMP378F/H: Probe Cable 10 m, Probe 215 mm, max +180 °C HMP371: Fixed Probe, max +60°C T-only HMP373: Probe Cable 2 m, max +120 °C T-only HMP373: Probe Cable 5 m, max +120 °C T-only HMP373: Probe Cable 10 m, max +120 °C T-only 							
	4 Sensor protection	<ul style="list-style-type: none"> Plastic grid & SST net filter, All probes DRW01028ISP Sintered Stainless Steel filter, all probes HM47280SP Stainless Steel Filter for Oil and Vacuum (AISI 303), HMP374/8 HM47453SP Plastic Grid, Fast Response in Clean Environments, not for HMP378H/BF DRW010276SP Stainless Steel Filter (AISI 303) with PTFE Membrane, HMP377 214848SP Stainless Steel Filter for High Flow Applications 220752SP 							
	5 Probe Accessories	<ul style="list-style-type: none"> No Accessories Duct Installation Kit, HMP373/7 210697 Mounting Flange, HMP375 210696 Ball Valve ISO1/2 with Welding Joint, HMP378/BF/BH BALLVALVE-1 Cable Gland for Probe Mounting, M20 x1.5 with Split Seal, HMP373/5/7 HMP247CG Fitting Body for Probe Mounting, M22 x 1.5, HMP374 17223SP Fitting Body for Probe Mounting, NPT 1/2, HMP374 17225SP Swagelok Probe Fitting, NPT 1/2 Thread, 12mm, HMP377 SWG12NPT12 Swagelok Probe Fitting, ISO 3/8 Thread, 12mm, HMP377 SWG12ISO38 Swagelok Probe Fitting, ISO 1/2 Thread (12mm), HMP377 SWG12ISO12 Fitting Body for Probe Mounting, ISO 1/2 Solid Structure, HMP378 DRW212076SP Fitting Body for Probe Mounting, NPT 1/2 Solid Structure, HMP378 212810SP Service cable for Probe USB2 							

800383070

Example of order code with typical settings:

HMP370EX	1	2	3	4	5	6
	1	3	A	1	N	N

Note: Selections in bold are included in the prices of the basic versions.
 • Selections in italic are available at an extra price.
 † Suggested/default selection

Links: [User guide](#)
[Datasheet](#)