



VAISALA



HMPX Order Form  
G010016EN-A  
Valid from June 2023

HMPX  
Humidity and Temperature Probe

Humidity and Temperature Probe		SPARE CODE	HMPX	1	2	3	4	5	6	7	8	9	10	11
hardware	1 Probe Head	<ul style="list-style-type: none"><li>HMP3 general purpose probe</li><li>HMP4 probe for pressures up to 100 bar</li><li>HMP5 probe for high temperature and flange mounting</li><li>HMP7 probe for high humidity</li><li>HMP8 probe for pressures up to 40 bar</li></ul>		3										
				4										
				5										
				7										
				8										
	2 Cable Length	<b>HMP3 with 0.15m cable</b>		H										
		<b>HMP3 with 2m cable</b>		A										
		<ul style="list-style-type: none"><li>HMP3 with 5m cable</li><li>HMP3 with 10m cable</li></ul>		J										
		<b>HMP4 with 2m cable</b>		K										
		<b>HMP5 with 2m cable</b>		B										
		<ul style="list-style-type: none"><li>HMP5 with 10m cable</li></ul>		C										
		<b>HMP7 with 0.15m cable</b>		D										
		<b>HMP7 with 2m cable</b>		L										
		<ul style="list-style-type: none"><li>HMP7 with 10m cable</li></ul>		E										
		<b>HMP8 with 2m cable</b>		F										
settings		<ul style="list-style-type: none"><li>HMP8 with 10m cable</li></ul>		G										
				M										
	3 Sensor Type	<b>Humicap R2 composite sensor, allows sensor purge</b>		1										
		<b>Humicap R2 sensor, no sensor purge</b>		2										
		<b>Catalytic Humicap sensor, allows sensor purge</b>		3										
		<b>Catalytic Humicap sensor, no sensor purge</b>		4										
	4 Filter Type	<b>Plastic grid &amp; SST net filter, HMP3, HMP7</b>		A										
		<b>Sintered Stainless Steel filter, all probes</b>	HM47280SP	B										
		<b>Plastic grid filter, HMP3</b>		C										
		<b>Stainless Steel Grid, HMP4, HMP8</b>	HM47453SP	D										
		<b>SST membrane filter, HMP7 fuel cell<sup>2</sup></b>		E										
	5 Purge and Heating	<b>Start-up purge off, interval purge on, probe heat off<sup>1</sup></b>		0										
		<b>Purge off, probe heat off</b>		1										
		<b>Start-up purge on, interval purge on, probe heat on</b>		2										
		<b>Start-up purge on, interval purge on, probe heat off</b>		3										
accessory		<b>Start-up purge on, interval purge off, probe heat off</b>		4										
		<b>Start-up purge on, interval purge on, probe heat on</b>		5										
		<b>Start-up purge on, interval purge off, probe heat on</b>		6										
		<b>Purge on, fast probe heat on (optimized for e.g. Fuel cell application)<sup>2</sup></b>		7										
	6 Baud Rate	<b>19200 - Use with Indigo transmitters</b>		A										
		<b>9600</b>		B										
	7 Parity, Data Bit, Stop Bit	<b>8, N, 2 - Use with Indigo transmitters<sup>1</sup></b>		0										
		<b>8, N, 1</b>		1										
		<b>8, E, 1</b>		2										
		<b>8, E, 2</b>		3										
		<b>8, O, 1</b>		4										
		<b>8, O, 2</b>		5										
	8 Probe Modbus Address	<b>240 - Use with Indigo transmitters<sup>1</sup></b>		A										
		<b>110</b>		B										
		<b>120</b>		C										
		<b>130</b>		D										
		<b>140</b>		E										
		<b>150</b>		F										
		<b>160</b>		G										
		<b>170</b>		H										
		<b>180</b>		J										
		<b>190</b>		K										
accessory	10 Probe Mounting Accessory	<b>No accessories</b>		0										
		<b>Installed into INDIGO500MIK INDIGO500MIK must be ordered separately</b>		1										
		<ul style="list-style-type: none"><li>Duct Installation Kit for HMP3/HMP7</li></ul>	210697	B										
		<ul style="list-style-type: none"><li>Cable gland Agro, for sealing HMP3/HMP7 cable</li></ul>	HMP247CG	C										
		<b>Fitting body M22 x 1,5, for HMP4</b>	17223SP	D										
		<b>Fitting body NPT 1/2", for HMP4</b>	17225SP	E										
		<ul style="list-style-type: none"><li>Mounting flange, for HMP5</li></ul>	210696	F										
		<ul style="list-style-type: none"><li>Swagelok NPT 1/2", for HMP7</li></ul>	SWG12NPT12	G										
		<ul style="list-style-type: none"><li>Swagelok ISO 3/8", for HMP7</li></ul>	SWG12ISO38	H										
		<ul style="list-style-type: none"><li>Swagelok ISO 1/2", for HMP7</li></ul>	SWG12ISO12	J										
		<ul style="list-style-type: none"><li>Warmed probe accessory for HMP7 with TMP1</li></ul>		K										
		<ul style="list-style-type: none"><li>Ball Valve ISO 1/2", for HMP8</li></ul>	BALL VALVE-1	L										
		<b>Pressure fitting NPT 1/2", for HMP8</b>	212810SP	M										
		<b>Pressure fitting ISO 1/2", for HMP8</b>	DRW212076SP	N										
		<ul style="list-style-type: none"><li>Pressure fittings ISO 1/2" + NPT 1/2", for HMP8</li></ul>	212810SP + DRW212076SP	P										
		<ul style="list-style-type: none"><li>Fitting bodies M22 x 1,5 + NPT 1/2", for HMP4</li></ul>	17223SP + 17225SP	R										
	11 Connection Cable	<b>No connection cable</b>		0										
		<ul style="list-style-type: none"><li>1,5m connection cable with open wires</li></ul>	223263SP	1										
		<ul style="list-style-type: none"><li>10m connection cable with open wires</li></ul>	216546SP	2										

1) Factory pre-set, can be changed in the field with a service cable (P/N USB2). Probe can be connected to INDIGO series of transmitters regardless of the output configuration.  
2)For fule cell application

NOTE:	<div>Selections in bold are included in the prices of the basic versions.</div> <ul style="list-style-type: none"><li>Selections in <i>italic</i> are available at an extra price.</li></ul>
LINKS:	<div><a href="#">User Guides</a></div> <div><a href="#">Datasheet</a></div> <div><a href="#">Vaisala.com Indigo family page</a></div>

Example of order code with typical settings:														
For use with INDIGO transmitters														
	1	2	3	4	5	6	7	8	9	10	11			
HMPX	3	A	2	A	1	A	0	A	0	0	0			
For modbus use														
	1	2	3	4	5	6	7	8	9	10	11			
HMPX	3	A	2	A	1	A	0	A	0	0	2			



Related Items

- Fitting Body M22x1.5
- Mounting Flange for 13.5mm Diameter Probe
- Duct Installation Kit For 12mm Probe 210697
- Fitting Body Npt1/2 Solid Structure
- Stainless Steel Filter with Membrane
- Connection Cable, M12-5F - Open Wires, 1.5 m
- Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 1.5m, PP-EPDM/PP, GRY
- Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 3m, PP-EPDM/PP, GRY
- Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 5m, PP-EPDM/PP, GRY
- Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 10m, PP-EPDM/PP, GRY
- Connection Cable, M12-5F - Open Wires, 3 m
- HMK15-HMP9 Adapter Assembly
- Duct installation kit HMP9
- Metal Coated PPS Grid Filter with Stainless Steel Mesh, Female Thread
- Fitting Body Iso1/2 Solid Structure
- Sintered Stainless Steel Filter, Female Thread
- Swagelok for 12mm Probe 1/2" ISO Thread
- Swagelok for 12mm Probe 3/8" ISO Thread
- Swagelok for 12mm Probe 1/2" NPT Thread
- Indigo-compatible USB Adapter

Part number

- 17223SP
- 210696
- 210697
- 212810SP
- 214848SP
- 223263SP
- 254294SP
- 254295SP
- 254296SP
- 254297SP
- 26719SP
- ASM213801
- ASM214055
- DRW010281SP
- DRW212076SP
- HM47280SP
- SWG12ISO12
- SWG12ISO38
- SWG12NPT12
- USB2

