



## 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>													
	2 Cable Length	<b>HMP3 with 0.15m cable</b>													
		<b>HMP3 with 2m cable</b>													
		HMP3 with 5m cable													
		HMP3 with 10m cable													
		<b>HMP4 with 2m cable</b>													
		<b>HMP5 with 2m cable</b>													
		HMP5 with 10m cable													
		<b>HMP7 with 0.15m cable</b>													
		<b>HMP7 with 2m cable</b>													
		HMP7 with 10m cable													
	<b>HMP8 with 2m cable</b>														
	HMP8 with 10m cable														
	3 Sensor Type	<b>Humicap R2 composite sensor, allows sensor purge</b>													
		<b>Humicap R2 sensor, no sensor purge</b>													
		<b>Catalytic Humicap sensor, allows sensor purge</b>													
<b>Catalytic Humicap sensor, no sensor purge</b>															
4 Filter Type	<b>Plastic grid &amp; SST net filter, HMP3, HMP7</b>														
	<b>Sintered Stainless Steel filter, all probes</b>	HM4728OSP													
	<b>Plastic grid filter, HMP3</b>														
	<b>Stainless Steel Grid, HMP4, HMP8</b>	HM47453SP													
	<b>SST membrane filter, HMP7 fuel cell<sup>2</sup></b>														
5 Purge and Heating	<b>Start-up purge off, Interval purge on, probe heat off<sup>1</sup></b>														
	<b>Purge off, probe heat off</b>														
	<b>Start-up purge off, Interval purge on, probe heat on</b>														
	<b>Start-up purge on, Interval purge on, probe heat off</b>														
	<b>Start-up purge on, Interval purge on, probe heat on</b>														
	<b>Start-up purge on, Interval purge off, probe heat off</b>														
	<b>Start-up purge on, Interval purge off, probe heat on</b>														
<b>Purge on, fast probe heat on (optimized for e.g. Fuel cell application)<sup>2</sup></b>															
6 Baud Rate	<b>19200 - Use with Indigo transmitters<sup>1</sup></b>														
	<b>9600</b>														
7 Parity, Data Bit, Stop Bit	<b>8, N, 2 - Use with Indigo transmitters<sup>1</sup></b>														
	<b>8, N, 1</b>														
	<b>8, E, 1</b>														
	<b>8, E, 2</b>														
	<b>8, O, 1</b>														
	<b>8, O, 2</b>														
8 Probe Modbus Address	<b>240 - Use with Indigo transmitters<sup>1</sup></b>														
	<b>110</b>														
	<b>120</b>														
	<b>130</b>														
	<b>140</b>														
	<b>150</b>														
	<b>160</b>														
	<b>170</b>														
	<b>180</b>														
	9 Custom	<b>English certificate</b>													
English certificate, custom text to probe body, please specify, max 10 char:															
<b>Japanese calibration certificate</b>															
10 Probe Mounting Accessory	<b>No accessories</b>														
	<b>Installed into INDIGO500MIK INDIGO500MIK must be ordered separately</b>														
	Duct Installation Kit for HMP3/HMP7	210697													
	Cable gland Agro, for sealing HMP3/HMP7 cable	HMP247CG													
	<b>Fitting body M22 x 1.5, for HMP4</b>	17223SP													
	<b>Fitting body NPT 1/2", for HMP4</b>	17225SP													
	Mounting flange, for HMP5	210696													
	Swagelok NPT 1/2", for HMP7	SWG12NPT12													
	Swagelok ISO 3/8", for HMP7	SWG12ISO38													
	Swagelok ISO 1/2", for HMP7	SWG12ISO12													
	Warmed probe accessory for HMP7 with TMP1														
	Ball Valve ISO 1/2", for HMP8	BALLVALVE-1													
	<b>Pressure fitting NPT 1/2", for HMP8</b>	21281OSP													
	<b>Pressure fitting ISO 1/2", for HMP8</b>	DRW212076SP													
	Pressure fittings ISO 1/2" + NPT 1/2", for HMP8	21281OSP + DRW212076SP													
	Fitting bodies M22 x 1.5 + NPT 1/2", for HMP4	17223SP + 17225SP													
11 Connection Cable	<b>No connection cable</b>														
	1.5m connection cable with open wires	223263SP													
	10m connection cable with open wires	216546SP													
	0.3m connection cable with open wires	CBL210896-03MSP													

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 fuel cell application

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

Example of order code with typical settings:  
For use with INDIGO transmitters

HMPX	3	A	2	A	1	A	0	A	0	0	0
For modbus use											
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
- Probe Cable 0.2m
- 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
- CBL210896-03MSP
- DRW010281SP
- DRW212076SP
- HMA7280SP
- SWG12ISO12
- SWG12ISO38
- SWG12NPT12
- USB2

