VAISALA

HMPX Order Form
GO10016EN-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
												O		

hardware

1 Probe Head
- HMP3 general purpose probe — **3**
- HMP4 probe for pressures up to 100 bar — **4**
- HMP5 probe for high temperature and flange mounting — **5**
- HMP7 probe for high humidity — **7**
- HMP8 probe for pressures up to 40 bar — **8**

2 Cable Length
- **HMP3 with 0.15m cable** — **H**
- **HMP3 with 2m cable** — **A**
- HMP3 with 5m cable — **J**
- HMP3 with 10m cable — **K**
- **HMP4 with 2m cable** — **B**
- **HMP5 with 2m cable** — **C**
- HMP5 with 10m cable — **D**
- **HMP7 with 0.15m cable** — **L**
- **HMP7 with 2m cable** — **E**
- HMP7 with 10m cable — **F**
- **HMP8 with 2m cable** — **G**
- HMP8 with 10m cable — **M**

3 Sensor Type
- **Humicap R2 composite sensor, allows sensor purge** — **1**
- **Humicap R2 sensor, no sensor purge** — **2**
- **Catalytic Humicap sensor, allows sensor purge** — **3**
- **Catalytic Humicap sensor, no sensor purge** — **4**

4 Filter Type
- **Plastic grid & SST net filter, HMP3, HMP7** — **A**
- **Sintered Stainless Steel filter, all probes** — HM47280SP — **B**
- **Plastic grid filter, HMP3** — **C**
- **Stainless Steel Grid, HMP4, HMP8** — HM47453SP — **D**
- **SST membrane filter, HMP7 fuel cell[2]** — **E**

settings

5 Purge and Heating
- **Start-up purge off, interval purge on, probe heat off[1]** — **O**
- **Purge off, probe heat off** — **1**
- **Start-up purge on, interval purge on, probe heat on** — **2**
- **Start-up purge on, interval purge on, probe heat off** — **3**
- **Start-up purge on, interval purge off, probe heat off** — **4**
- **Start-up purge on, interval purge on, probe heat on** — **5**
- **Start-up purge on, interval purge off, probe heat on** — **6**
- **Purge on, fast probe heat on (optimized for e.g. Fuel cell application)[2]** — **7**

6 Baud Rate
- **19200 - Use with Indigo transmitters** — **A**
- **9600** — **B**

7 Parity, Data Bit, Stop Bit
- **8, N, 2 - Use with Indigo transmitters[1]** — **0**
- **8, N, 1** — **1**
- **8, E, 1** — **2**
- **8, E, 2** — **3**
- **8, O, 1** — **4**
- **8, O, 2** — **5**

8 Probe Modbus Address
- **240 - Use with Indigo transmitters[1]** — **A**
- **110** — **B**
- **120** — **C**
- **130** — **D**
- **140** — **E**
- **150** — **F**
- **160** — **G**
- **170** — **H**
- **180** — **J**
- **190** — **K**

accessory

10 Probe Mounting Accessory
- **No accessories** — **O**
- **Installed into INDIGO500MIK INDIGO500MIK must be ordered separately** — **1**
- Duct Installation Kit for HMP3/HMP7 — 210697 — **B**
- Cable gland Agro, for sealing HMP3/HMP7 cable — HMP247CG — **C**
- **Fitting body M22 x 1,5, for HMP4** — 17223SP — **D**
- **Fitting body NPT 1/2", for HMP4** — 17225SP — **E**
- Mounting flange, for HMP5 — 210696 — **F**
- Swagelok NPT 1/2", for HMP7 — SWG12NPT12 — **G**
- Swagelok ISO 3/8", for HMP7 — SWG12ISO38 — **H**
- Swagelok ISO 1/2", for HMP7 — SWG12ISO12 — **J**
- Warmed probe accessory for HMP7 with TMP1 — **K**
- Ball Valve ISO 1/2", for HMP8 — BALLVALVE-1 — **L**
- **Pressure fitting NPT 1/2", for HMP8** — 212810SP — **M**
- **Pressure fitting ISO 1/2", for HMP8** — DRW212076SP — **N**
- Pressure fittings ISO 1/2" + NPT 1/2", for HMP8 — 212810SP + DRW212076SP — **P**
- Fitting bodies M22 x 1,5 + NPT 1/2", for HMP4 — 17223SP + 17225SP — **R**

11 Connection Cable
- **No connection cable** — **O**
- 1,5m connection cable with open wires — 223263SP — **1**
- 10m connection cable with open wires — 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:	**Selections in bold are included in the prices of the basic versions.**
	• *Selections in italic are available at an extra price.*

LINKS:	User Guides
	Datasheet
	Vaisala.com Indigo family page

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	O	A	O	O	O

For modbus use

		1	2	3	4	5	6	7	8	9	10	11
HMPX		3	A	2	A	1	A	O	A	O	O	2

Related Items

Related Items	Part number
Fitting Body M22x1.5	17223SP
Mounting Flange for 13.5mm Diameter Probe	210696
Duct Installation Kit For 12mm Probe 210697	210697
Fitting Body Npt1/2 Solid Structure	212810SP
Stainless Steel Filter with Membrane	214848SP
Connection Cable, M12-5F - Open Wires, 1.5 m	223263SP
Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 1.5m, PP-EPDM/PP, GRY	254294SP
Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 3m, PP-EPDM/PP, GRY	254295SP
Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 5m, PP-EPDM/PP, GRY	254296SP
Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 10m, PP-EPDM/PP, GRY	254297SP
Connection Cable, M12-5F - Open Wires, 3 m	26719SP
HMK15-HMP9 Adapter Assembly	ASM213801
Duct installation kit HMP9	ASM214055
Metal Coated PPS Grid Filter with Stainless Steel Mesh, Female Thread	DRW010281SP
Fitting Body Iso1/2 Solid Structure	DRW212076SP
Sintered Stainless Steel Filter, Female Thread	HM47280SP
Swagelok for 12mm Probe 1/2" ISO Thread	SWG12ISO12
Swagelok for 12mm Probe 3/8" ISO Thread	SWG12ISO38
Swagelok for 12mm Probe 1/2" NPT Thread	SWG12NPT12
Indigo-compatible USB Adapter	USB2

Probe Head