VAISALA

HMPX
Humidity and Temperature Probe

			SPARE CODE	HMPX	1	2	3	4	5	6	7	8	9	10	11
Humidity and Temperature Probe													**O**		
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**							
5 Purge and Heating		**Start-up purge off, interval purge on, probe heat off[1]**							**0**						
		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 off, 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**			
10 Probe Mounting Accessory		**No accessories**												**0**	
		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**													**0**
	•	*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**	**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	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