

## **VAISALA**



HMPX Order Form G010016EN-A Valid from June 2023

## HMPX Humidity and Temperature Probe

<b>Humidity and Temperature Probe</b>		SPARE CODE	НМРХ				0
1 Probe Head	HMP3 general purpose probe			3			TT
I Probe Head	HMP4 probe for pressures up to 100 bar			4			
	HMP5 probe for high temperature and flange mounting	7		5			
	HMP7 probe for high humidity	7		7			
	HMP8 probe for pressures up to 40 bar			8			
2 Cable Length	HMP3 with 0.15m cable			н			
	HMP3 with 2m cable			A			
	HMP3 with 5m cable			J			
	HMP3 with 10m cable			K			
	HMP4 with 2m cable			В			
	HMP5 with 2m cable			С			
	HMP5 with 10m cable			D			
	HMP7 with 0.15m cable			L L			
	HMP7 with 2m cable			E			
	HMP7 with 10m cable			F			
	HMP8 with 2m cable			G			
	HMP8 with 10m cable			М			
3 Sensor Type	Humicap R2 composite sensor, allows sensor purg	•		1			
	Humicap R2 sensor, no sensor purge			2			
	Catalytic Humicap sensor, allows sensor purge			3			
	Catalytic Humicap sensor, no sensor purge			4			
4 Either T							
4 Filter Type	Plastic grid & SST net filter, HMP3, HMP7	19447200CD			<u>^</u>		
	Sintered Stainless Steel filter, all probes	HM47280SP			В		
	Plastic grid filter, HMP3				С		
	Stainless Steel Grid, HMP4, HMP8	HM47453SP			D		
	SST membrane fliter, HMP7 fuel cell <sup>2</sup>				E		
5 Purge and Heating	Start-up purge off, interval purge on, probe heat o	off <sup>1</sup>			0		
	Purge off, probe heat off				1		
	Start-up purge on, interval purge on, probe heat o	n			2		
	Start-up purge on, interval purge on, probe heat o				3		
	Start-up purge on, interval purge off, probe heat of	off			4		
	Start-up purge on, interval purge on, probe heat o				5		
	Start-up purge on, interval purge off, probe heat of				6		
	Purge on, fast probe heat on (optimized for e.g. F				7		
6 Baud Rate	19200 - Use with Indigo transmitters					. 1	
6 baud Rate	9600				- 1	ì	
	_				-		
7 Parity, Data Bit, Stop Bit	8, N, 2 - Use with indigo transmitters <sup>1</sup>					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 <sup>1</sup>						NI I
6 Probe Modbus Address							
8 Probe Modbus Address	110						3
6 Probe Modbus Address	110 120						8
o Probe Modbus Address							
o Probe Moubus Address	120						
o Probe Modulus Address	120 130						E
o Probe indubus Address	120 130 140						E
o Probe Modbus Address	120 130 140 150					I I	D E F
o Probe Moduus Address	120 130 140 150 160					I I	) E F 3
o Probe Modulus Address	120 130 140 150 160 170					1 1 0	0 E F 3
	120 130 140 150 160 170 180					1 1 0	5 5 4 1
10 Probe Mounting Accessory	120 130 140 150 160 170 180 190 No accessories					1 1 0	5 5 4 1
	120 130 140 150 160 170 180 190 No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK mus					1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK mus  Duct Installation Kit for HMP3/HMP7	210697				1 1 0	0 E F 3
	120 130 140 150 160 170 180 190 No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus  - Duct Installation Kit for HMP3/HMP7 - Cable gland Agro, for sealing HMP3/HMP7 cable	210697 HMP247CG				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus  Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4	210697 HMP247CG 17223SP				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus  - Duct Installation Kit for HMP3/HMP7 - Cable gland Agro, for sealing HMP3/HMP7 cable	210697 HMP247CG				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK mus  Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body MP1 1/2", for HMP4  Mounting flange, for HMP5	210697 HMP247CG 17223SP 17225SP 210696				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK musically and a second of the second of	210697 HMP247CG 17223SP 17225SP				1 1 0	5 F 3 H J
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	120 130 140 150 160 170 180 190 No accessories Installed into INDIGO500MIK INDIGO500MIK musics Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body NPT 1/2*, for HMP4 Mounting flange, for HMP5  Swagelok NPT 1/2*, for HMP7	210697 HMP247CG 17223SP 17225SP 210696 SWG12NPT12				1 1 0	5 F 3 H J
	120 130 140 140 150 160 170 180 190  No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus'  Duct installation Kit for HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body NPT 1/2", for HMP4  Mounting flange, for HMP5  Swagelok NPT 1/2", for HMP7  Swagelok ISO 3/8", for HMP7  Swagelok ISO 3/8", for HMP7  Swagelok ISO 1/2", for HMP7	210697 HMP247CG 1722335P 172255P 210696 SW012NPT12 SWG12ISO38				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed into INDIGO500MIK INDIGO500MIK musics Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body NPT 1/2", for HMP4 Mounting flange, for HMP5 Swagelok NPT 1/2", for HMP7 Swagelok ISO 3/8", for HMP7 Swagelok ISO 3/8", for HMP7 Warmed probe accessory for HMP7 with TMP1	210697 HMP247CG 172235P 172255P 210696 SWG12NPT12 SWG12ISO38 SWG12ISO38				1 1 0	5 F 3 H J
	120 130 140 150 160 170 180 190 No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK musically and a second of the second of	210697 HMP247CG 172233SP 17225SP 210696 SW612NPT12 SWG12ISO38 SWG12ISO12 BALLVALVE-1				1 1 0	D
	120 130 140 140 150 160 170 180 190  No accessories Installed into INDIGO500MIK INDIGO500MIK mus Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body NPT 1/2", for HMP4 Hitting body NPT 1/2", for HMP4 Mounting flange, for HMP5 Swagelok NPT 1/2", for HMP7 Swagelok ISO 3/8", for HMP7 Swagelok ISO 1/2", for HMP7 Warmed probe accessory for HMP7 with TMP1 Ball Valve ISO 1/2", for HMP8 Pressure fitting NPT 1/2", for HMP8	210697 HMP247CG 17225SP 17225SP 210696 SWG12NPT12 SWG12ISO38 SWG12ISO38 SWG12ISO12 BALL VAL VE-1 212810SP				1 1 0	D
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	120 130 140 140 150 160 170 180 190  No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus  Duct installation Kit for HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body MP1 1/2", for HMP4  Mounting flange, for HMP5  Swagelok NP7 1/2", for HMP7  Swagelok ISO 3/8", for HMP7  Swagelok ISO 1/2", for HMP7  Warmed probe accessory for HMP7 with TMP1  Ball Valve ISO 1/2", for HMP8  Pressure fitting NP1 1/2", for HMP8  Pressure fitting ISO 1/2" + NPT 1/2", for HMP8	210697 HMP247CG 1722335P 172255P 210696 SW612NPT12 SWG12ISO12 BALLVALVE-1 2128105P DRW212076SP 2128105P + DRW212076SP				1 1 0	D E F F F F F F F F F F F F F F F F F F
10 Probe Mounting Accessory	120 130 140 140 150 180 170 180 190  No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK mus  Duct installation Kit for HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body MP1 1/2", for HMP4 Fitting body MP1 1/2", for HMP4  Mounting flange, for HMP5  Swagelok NP 1/2", for HMP7  Swagelok ISO 3/8", for HMP7  Swagelok ISO 3/8", for HMP7  Warmed probe accessory for HMP7 with TMP1  Ball Valve ISO 1/2", for HMP8  Pressure fitting ISO 1/2", for HMP8  Pressure fitting ISO 1/2", for HMP8  Pressure fitting ISO 1/2", for HMP8  Fressure fitting SO 1/2" + NPT 1/2", for HMP8  Fitting bodies M22 x 1.5 + NPT 1/2", for HMP8  Fitting bodies M22 x 1.5 + NPT 1/2", for HMP8	210697 HMP247CG 172235P 172255P 210696 SWG12NPT12 SWG12ISO38 SWG12ISO38 SWG12ISO12 BALL VAL VE-1 21281OSP DRW2120765P				1 1 0	D
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10 Probe Mounting Accessory	120 130 140 140 150 160 170 180 190  No accessories Installad Into INDIGOSOOMIK INDIGOSOOMIK musically and installation into Indigosoomic Indigo	210697 HMP247CG 17223SP 17225SP 210696 SWG12NPT12 SWG12ISO38 SWG12ISO12 BALL VAL VE-1 212810SP DRW212076SP 212810SP + DRW212076SP 17223SP + 17225SP				1 1 0	D E F F F F F F F F F F F F F F F F F F
10 Probe Mounting Accessory	120 130 140 150 160 170 180 190 No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK musicalled into INDIGOSOOMIK indigosoomik musicalled into INDIGOSOOMIK indigosoomik musicalled into INDIGOSOOMIK indigosoomik musicalled into INDIGOSOOMIK musicalled into INDIGOSOOMIK musicalled into INDIGOSOOMIK musicalled into Indigosoomik into INDIGOSOOMIK musicalled INDIGOSOOMIK musicalled into INDIGOSOOMIK musicalled INDIGOSOOMIK INDIGOSOOM	210697 HMP247CG 17223SP 17225SP 210696 SW612NPT12 SW612ISO38 SWG12ISO38 SWG12ISO38 BALL VAL VE-1 212810SP DRW212076SP 212810SP + DRW212076SP 17223SP + 17225SP				1 1 0	D E F F F F F F F F F F F F F F F F F F

• IOm connection cable with open wires 2165465P

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

Fitting Body Npt1/2 Solid Structure
Stainless Steel Filter with Membrane
Connection Cable, M2-5F - 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, 5m, 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
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 Isol/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 3/8" ISO Thread
Swagelok for 12mm Probe 3/8" ISO Thread
Indigo-compatible USB Adapter

Part num 17223SP 210696 210697 212810SP 214848SP 223263SP 223263SP 254294SP 254295SP 254296SP 254297SP 26719SP ASM213801 ASM213801 ASM214055 DRW010281SP DRW212076SP HM47280SP SWG12ISO12 SWG12ISO13 SWG12ISO38 SWG12NPT12 USB2

