





## нмрх **Humidity and Temperature Probe**

Humidity and Temperature Probe			SPARE CODE	нмрх	1 2 3			Ĥ
1 Probe Head		HMP3 general purpose probe			3			
1 Frobe field		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			н			
2 Cable Length		HMP3 with 2m cable			A			
		HMP3 with 5m cable			Ĵ			
		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			
		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 purge			1	ı		
		Humicap R2 sensor, no sensor purge			- 2	2		
		Catalytic Humicap sensor, allows sensor purge				5		
		Catalytic Humicap sensor, no sensor purge			4	<u>.</u>		
4 Filter Type		Plastic grid & SST net filter, HMP3, HMP7				A .		
**		Sintered Stainless Steel filter, all probes	HM47280SP			В		
		Plastic grid filter, HMP3				С		
		Stainless Steel Grid, HMP4, HMP8	HM47453SP			D		
		SST membrane filter, HMP7 fuel cell <sup>2</sup>				E		
5 Purge and Heating		Start-up purge off, interval purge on, probe heat off				0		
		Purge off, probe heat off				1		
		Start-up purge off, 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 ce	i application) <sup>2</sup>			7		
6 Baud Rate		19200 - Use with Indigo transmitters <sup>1</sup>					A	
		9600					В	
7 Parity, Data Bit, Stop Bit		8, N, 2 - Use with Indigo transmitters <sup>1</sup>						
, Tanty, Bata Bit, Gtop Bit		8, N, 1					i	
		8, E, 1					2	
		8, E, 2					3	
		8, 0, 1					4	
		8, 0, 2					5	
8 Probe Modbus Address		240 - Use with Indigo transmitters <sup>1</sup>					A	
		110					В	3
		120					c	
		130					D	
		140						
		150					E	
		150 160					E F	1
		150 160 170					E F G H	
		150 160					E F	
9 Custom		150 160 170					E F G H	
9 Custom		150 160 170 190 English certificate	iy ,max 10 char:				E F G H	
9 Custom		150 160 170 180 English certificate English certificate, custom text to probe body, please specia	íy ,max 10 char:		-		E F G H	0
9 Custom		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate					E F G H	
9 Custom		150 160 170 180 English certificate English certificate, custom text to probe body, please specia					E F G H	0
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate					E F G H	0 7 2
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate Japanese calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK must be oil	please specify, max 10 char:				E F G H	0 1 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body, No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct Installation kit for HMP3/HMP7	please specify, max 10 char:  dered separately  210697				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate Japanese calibration certificate, custom text to probe body, No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK must be of Duct installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable	please specify, max 10 char: dered separately 210697 HMP247CG				E F G H	0 1 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK must be of Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP		-		E F G H	0 1 2 3
		180 180 170 180 English certificate English certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body, No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M2x 1,5, for HMP4 Fitting body NPT 1/2**, for HMP4	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK must be of Duct. Installation Kift for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body MP2 X 1,5, for HMP4 Fitting body NPT 1/2**, for HMP4 Mounting flange, for HMP5	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP 210696				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x1,5, for HMP4 Mounting liange, for HMP4 Mounting liange, for HMP5 Swagelok NPT 1/2", for HMP7	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP 210696 SWGZNPT12				E F G H	0 1 2 3
		180 180 180 170 180 English certificate English certificate, custom text to probe body, please special papers calibration certificate Japanese calibration certificate, custom text to probe body, No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct Installation kit for IMPS/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body M27 k 1,5, for HMP4 Mounting flange, for HMP5 Swagelok NPT I/2", for HMP7 Swagelok ISO 3/8", for HMP7	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP 210696 SWG12NPT12 SWG12ISO38				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK must be of Duct Installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body NPT 1/2", for HMP4 Mounting flange, for HMP5 Swagelok ISO 1/2", for HMP7 Swagelok ISO 1/2", for HMP7 Swagelok ISO 1/2", for HMP7	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP 210696 SWGZNPT12				E F G H	0 7 2 3
9 Custom  10 Probe Mounting Accessory		150 160 170 180 English certificate English certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body MP2 x 1,5, for HMP4 Fitting body MP1 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 3/8", for HMP7 Warmed probe accessory for HMP7 with TMP1	please specify, max 10 char:  'dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWG12NPT12 SWG12ISO38 SWG12ISO12				E F G H	0 1 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK must be of Duct. Installation Kirt for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body MPT 1/2", for HMP4 Mounting flange, for HMP5 Swagelok NPT 1/2", for HMP7 Swagelok NPT 1/2", for HMP7 Swagelok NSO 3/8", for HMP7 Swagelok NSO 1/8", for HMP7 Warmed probe accessory for HMP7 with TMP1 Ball Valve ISO 1/2", for HMP8	please specify, max 10 char:  dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWGIZNPT12 SWGIZNOT2 SWGIZNOT2 SWGIZISO12 BALL VAL VE-1				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body.  No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be or Duct installed into INDIGOSOMIK indigosomik must be or Successorial planes in INDIGOSOMIK must be or Duct installed into INDIGOSOMIK must be	please specify, max 10 char:  'dered separately' 210697 HMP247CG 17223SP 17225SP 210696 SWG12NPT12 SWG12ISO38 SWG12ISO38 SWG12SO12 BALL VAL VE-1 212810SP				E F G H	0 7 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body, please special papers calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be on Duct Installation Kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body M22 x 1,5, for HMP4 Fitting body M22 x 1,5, for HMP4 Mounting flange, for HMP5 Swagelok NT 1/2", for HMP7 Swagelok ISO 3/8", for HMP7 Swagelok ISO 3/8", for HMP7 Swagelok ISO 1/2", for HMP7 Ball Valve ISO 1/2", for HMP8 Pressure fitting NPT 1/2", for HMP8 Pressure fitting NPT 1/2", for HMP8 Pressure fitting NPT 1/2", for HMP8	please specify, max 10 char:  'dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWG12NPT12 SWG12NS012 SWG12NS012 BALL VAL VE-1 2/128/0SP DRW2/2076SP				E F G H	0 1 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special Japanese calibration certificate, custom text to probe body. No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK must be of Duct installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body NPT 1/2", for HMP4 Mounting Illange, for HMP5 Swagelok NPT 1/2", for HMP7 Swagelok ISO 3/8", for HMP7 Warmed probe accessory for HMP8 with TMP1 Ball Valve ISO 1/2", for HMP8 Pressure fitting ISO 1/2", for HMP8	please specify, max 10 char:  'dered separately' 2/0697 HMP247CG 1/2235P 1/2255P 2/0696 SWG12NPT12 SWG12ISO38 SWG12SO12 BALL VAL VE-1 2/28/05P DRW2/120765P 2/28/05P + DRW2/120765P				E F G H	0 1 2 3
10 Probe Mounting Accessory		150 160 170 180 English certificate English certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body.  No accessories Installed Into INDIGOSOMIK INDIGOSOMIK must be of Duct installed into INDIGOSOMIK INDIGOSOMIK must be of Duct installed into INDIGOSOMIK indigosomic must be of Duct indigosomic m	please specify, max 10 char:  'dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWG12NPT12 SWG12NS012 SWG12NS012 BALL VAL VE-1 2/128/0SP DRW2/2076SP				E F G H	0 1 2 3
		150 160 170 180 English certificate English certificate, custom text to probe body, please special planese calibration certificate, custom text to probe body, please special planese calibration certificate, custom text to probe body, No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK must be of Duct Installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body H22 x 1,5, for HMP4 Fitting body NP7 I/2", for HMP4 Mounting flange, for HMP5 Swagelok NP7 I/2", for HMP7 Swagelok SO 3/8", for HMP7 Swagelok SO 3/8", for HMP7 Swagelok SO 3/8", for HMP7 Warmed probe accessory for HMP7 with TMP1 Ball Valve ISO I/2", for HMP8 Pressure fitting ISO 1/2", for HMP8 Pressure fitting Dodies M22 x 1,5 + NPT I/2", for HMP8 Fitting bodies M22 x 1,5 + NPT I/2", for HMP4 No connection cable	please specify, max 10 char:  'dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWG12NPT12 SWG12NS038 SWG12NS038 SWG12NS012 BALL VAL VE-1 2/28/05P DRW212076SP 2/28/05P + DRW212076S) 17223SP + 17225SP	2			E F G H	0 1 2 3
10 Probe Mounting Accessory		150 160 170 180 English certificate English certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body, please special planes calibration certificate, custom text to probe body.  No accessories Installed Into INDIGOSOOMIK INDIGOSOOMIK must be of Duct installed Into INDIGOSOOMIK INDIGOSOOMIK must be of Duct installed Into INDIGOSOOMIK into INDIGOSOOMIK into Installed Into INDIGOSOOMIK into INDIGOSOOMIK into Installed Into INDIGOSOOMIK int	please specify, max 10 char:  dered separately 210697 HMP247CG 17223SP 17225SP 210696 SWG12NPT12 SWG12ISO38 SWG12SO12 BALL VAL VE-1 212810SP DRW212076SP 212810SP + DRW212076SI 17223SP + 1722SSP				E F G H	0 1 2 3
10 Probe Mounting Accessory		150 160 170 180 English certificate English certificate, custom text to probe body, please special planese calibration certificate, custom text to probe body, please special planese calibration certificate, custom text to probe body, No accessories Installed into INDIGOSOOMIK INDIGOSOOMIK must be of Duct Installation kit for HMP3/HMP7 Cable gland Agro, for sealing HMP3/HMP7 cable Fitting body H22 x 1,5, for HMP4 Fitting body NP7 I/2", for HMP4 Mounting flange, for HMP5 Swagelok NP7 I/2", for HMP7 Swagelok SO 3/8", for HMP7 Swagelok SO 3/8", for HMP7 Swagelok SO 3/8", for HMP7 Warmed probe accessory for HMP7 with TMP1 Ball Valve ISO I/2", for HMP8 Pressure fitting ISO 1/2", for HMP8 Pressure fitting Dodies M22 x 1,5 + NPT I/2", for HMP8 Fitting bodies M22 x 1,5 + NPT I/2", for HMP4 No connection cable	please specify, max 10 char:  'dered separately 2/0697 HMP247CG 17223SP 17225SP 2/0696 SWG12NPT12 SWG12NS038 SWG12NS038 SWG12NS012 BALL VAL VE-1 2/28/05P DRW212076SP 2/28/05P + DRW212076S) 17223SP + 17225SP	2			E F G H	0 1 2 3

O.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

	Selections in bold are included in the prices of the basic versions.					
NOTE:	Selections in italic are available at an extra price.					
	<u>User Guides</u>					
LINKS:	<u>Datasheet</u>					
	Vaisala.com Indigo family page					

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
HMPX	3	Α	2	Α	1	Α	0	Α	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 Npt/12 Solid Structure
Stainless Steel Filter with Membrane
Connection Cable, M12-SF - 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, 1.5m, PP-EPDM/PP, GRY
Cable, Spare Part M12/5(F)-Open, 5x0.34mm2, 10m, P

Part number
1722SSP
1722SSP
210696
210697
212810SP
214848SP
223263SP
254294SP
254295SP
254295SP
254297SP
26719SP
ASM213801
ASM214055
CBL210896-03MSP
DRW010281SP
DRW010281SP
DRW01281SO12
SWG12ISO13
SWG12ISO13
SWG12ISO13
SWG12INPT12
USB2

