VAISALA

HMPX
Humidity and Temperature Probe



HMPX Order Form
G010016EN-F
Valid from December 2025

				Sparepart	1	2	3	4	5	6	7	8	9	10	11
	Humidity and Temperature Probe				HMPX										
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 2m cable**			**A**									
			HMP3 with 0.15m cable			**H**									
		•	*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 2m cable			**E**									
			HMP7 with 0.15m cable			**L**									
		•	*HMP7 with 10m cable*			*F*									
			HMP8 with 262mm probe head and 2m cable			**G**									
		•	*HMP8 with 262mm probe head and 10m cable*			*M*									
		•	*HMP8 with 448mm probe head and 2m cable*			*N*									
	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**	DRW010281SP				**A**							
			Sintered Stainless Steel filter	HM47280SP				**B**							
			Plastic grid filter, HMP3	DRW010276SP				**C**							
			Stainless Steel Grid[1]	HM47453SP				**D**							
			SST membrane filter, HMP7 fuel cell[1,3]	214848SP				**E**							
			SST Grid for High Flow, All probes	220752SP				**F**							
settings	5 Purge and Heating		**Start-up purge off, interval purge on, probe heat off**[2]						**0**						
			Start-up purge off, interval purge off, probe heat off						**1**						
			Start-up purge off, interval purge on, probe heat on[6]						**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[6]						**5**						
			Start-up purge on, interval purge off, probe heat on[6]						**6**						
			Purge on, fast probe heat on (optimized for e.g. Fuel cell application)[3,6]						**7**						
	6 Baud Rate		**19200 - Use with Indigo transmitters**[2]							**A**					
			9600							**B**					
	7 Parity, Data Bit, Stop Bit		**8, N, 2 - Use with Indigo transmitters**[2]								**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**[2]									**A**			
			110									**B**			
			120									**C**			
			130									**D**			
			140									**E**			
			150									**F**			
			160									**G**			
			170									**H**			
			180									**J**			
			190									**K**			
	9 Custom		**English certificate**										**0**		
		•	*English certificate, custom text to probe body, please specify (max 10 char.)*										*1*		
		•	*Japanese calibration certificate and Traceability chart*										*2*		
		•	*Japanese calibration certificate, custom text to probe body, please specify, max 10 char:*										*3*		
accessory	10 Probe Mounting Accessory		**No accessories**											**0**	
			Delivered installed into Meteorological Installation Kit INDIGO500MIK[4]											**1**	
			Combined delivery package for HMP3/7 probe and INDIGO510/520 transmitter IND500HMPCOMBO[5]											**2**	
		•	*Combined delivery package for HMP3/7 probe, duct installation kit and INDIGO510/520 transmitter IND500HMPCOMBO*[5]											*3*	
		•	*HMP3/HMP7: Duct Installation Kit*	210697										*B*	
		•	*HMP3/HMP7: Cable gland Agro, for sealing probe cable*	HMP247CG										*C*	
			HMP4: Fitting body M22x1.5	17223SP										**D**	
			HMP4: Fitting body NPT 1/2"	17225SP										**E**	
		•	*HMP4: Fitting bodies M22x1.5 + NPT 1/2"*	17223SP + 17225SP										*R*	
		•	*HMP5: Mounting flange*	210696										*F*	
		•	*HMP7: Swagelok NPT 1/2"*	SWG12NPT12										*G*	
		•	*HMP7: Swagelok ISO R 3/8"*	SWG12ISO38										*H*	
		•	*HMP7: Swagelok ISO G 1/2"*	SWG12ISO12										*J*	
		•	*HMP7: Warmed probe accessory (for use with TMP1)*	HMT330WPA										*K*	
		•	*HMP8: Ball Valve Set and Fitting body ISO R 1/2"*	BALLVALVE-1 + DRW212076SP										*L*	
			HMP8: Pressure fitting NPT 1/2"	212810SP										**M**	
			HMP8: Pressure fitting ISO R 1/2"	DRW212076SP										**N**	
		•	*HMP8: Pressure fittings NPT 1/2" + ISO R 1/2"*	212810SP + DRW212076SP										*P*	
	11 Connection Cable		**No connection cable**												**0**
		•	*1.5m connection cable with open wires*	223263SP											*1*
		•	*10m connection cable with open wires*	216546SP											*2*
		•	*0.3m connection cable with open wires*	CBL210896-03MSP											*3*

[1] Not available for HMP3
[2] 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.
[3] For fuel cell application
[4] INDIGO500MIK must be ordered separately. Please select the matching option for INDIGO510/520 transmitter and include INDIGO500MIK as a separate line item in the same order.
[5] IND500HMPCOMBO must be ordered separately. Please select the matching option for INDIGO510/520 transmitter and include IND500HMPCOMBO as a separate line item in the same order.
[6] Probe heat on is available for HMP7 only

Note:	**Selections in bold are included in the prices of the basic versions.** • *Selections in italic are available at an extra price.*
Links:	User guide Datasheets Technical drawings Vaisala.com Indigo family page Indigo Family Product Catalog Services (online store)

Example of order code with typical settings:

		1	2	3	4	5	6	7	8	9	10	11
For use with INDIGO transmitter:	HMPX	*3*	**A**	**2**	**A**	**1**	**A**	**0**	**A**	**0**	**0**	**0**
For standalone use with Modbus RTU:	HMPX	*3*	**A**	**2**	**A**	**1**	**A**	**0**	**A**	**0**	**0**	*2*

Example of INDIGO500MIK with two probes (HMP7 + TMP1):

	1	2	3	4	5	6	7	8	9	10	11
HMPX	*7*	**E**	**1**	**A**	**2**	**A**	**0**	**A**	**0**	**1**	**0**
TMPX	*1*	**A**	**1**	**A**	**0**	**A**	**0**	**A**	**0**	**1**	**0**
INDIGO520	*A*	**7**	*A*	*6*	**B**	*5*	**M**	**A**	**A**	**N**	
INDIGO500MIK	*B*	**3**	**N**	**1**	**A**	**0**					

Example of IND500HMPCOMBO:

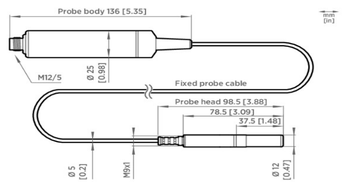
	1	2	3	4	5	6	7	8	9	10	11
HMPX	*3*	**A**	**1**	**A**	**0**	**A**	**0**	**A**	**0**	**2**	**0**
INDIGO520	*A*	**7**	**N**	**1**	**A**	**1**	**B**	**A**	**A**	**N**	
IND500HMPCOMBO											

Accessories and spare parts	Part Number
Probe Connection Cable, M12-5M - M12-5F, 1.5m (Indigo80 Connection Cable)	272075SP
Flat Probe Connection Cable, M12-5M - M12-5F, 1m (Indigo80 Connection Cable)	CBL210493SP
Indigo-compatible M12-USB Adapter (for connection to Insight software)	USB2
Metal Coated PPS Grid Filter with Stainless Steel Mesh	DRW010281SP
Sintered Stainless Steel Filter	HM47280SP
PPS Plastic Grid Filter	DRW010276SP
Stainless Steel Grid Filter (for vacuum)	HM47453SP
Stainless Steel Filter with Membrane and Drain Hole (for fuel cells)	214848SP
Cable Gland M20x1.5 with Split Seal (for sealing probe cable)	HMP247CG
Duct Installation Kit for use with HMP3 and HMP7	210697
Fitting Body M22x1.5 for use with HMP4	17223SP
Fitting Body NPT 1/2" for use with HMP4	17225SP
Mounting Flange for use with HMP5	210696
Swagelok for 12mm Probe, NPT 1/2" Thread for use with HMP7	SWG12NPT12
Swagelok for 12mm Probe, ISO R 3/8" Thread for use with HMP7	SWG12ISO38
Swagelok for 12mm Probe, ISO G 1/2" Thread for use with HMP7	SWG12ISO12
Pressure Fitting NPT 1/2" for use with HMP8	212810SP
Pressure Fitting ISO R 1/2" for use with HMP8	DRW212076SP
Ball Valve ISO 1/2" with Welding Joint for use with HMP8	BALLVALVE-1
Probe Holder Assembly for HMPX Probe Body	ASM213582
Connection Cable, M12-5F - Open Wires, 0.3 m	CBL210896-03MSP
Connection Cable, M12-5F 90° - Open Wires, 0.6 m	244669SP
Connection Cable, M12-5F - Open Wires, 1.5 m	223263SP
Connection Cable, M12-5F 90° - Open Wires, 1.5 m	255102
Connection Cable, M12-5F - Open Wires, 3 m	26719SP
Connection Cable, M12-5F - Open Wires, 10 m	216546SP
Connection Cable M12-5F - Open Wires, Hygienic Design, 1.5m	254294SP
Connection Cable M12-5F - Open Wires, Hygienic Design, 3m	254295SP
Connection Cable M12-5F - Open Wires, Hygienic Design, 5m	254296SP
Connection Cable M12-5F - Open Wires, Hygienic Design, 10m	254297SP
Probe extension cable, M12-5F - M12-5M, 1 m	INDIGOCABLE1M
Probe extension cable, M12-5F - M12-5M, 3 m	INDIGOCABLE3M
Probe extension cable, M12-5F - M12-5M, 5 m	INDIGOCABLE5M
Probe extension cable, M12-5F - M12-5M, 10 m	INDIGOCABLE10M
Probe extension cable, M12-5F - M12-5M, 1.5 m, Hygienic Design	INDIGOCABLEHD1M5
Probe extension cable, M12-5F - M12-5M, 3 m, Hygienic Design	INDIGOCABLEHD3M
Probe extension cable, M12-5F - M12-5M, 5 m, Hygienic Design	INDIGOCABLEHD5M
Probe extension cable, M12-5F - M12-5M, 10 m, Hygienic Design	INDIGOCABLEHD10M
HMK15 Calibration Adapter to 13.5mm for use with HMP3	218377SP
HMK15 Calibration Adapter to 13.5mm for use with HMP4, HMP5, HMP7, HMP8	211302SP

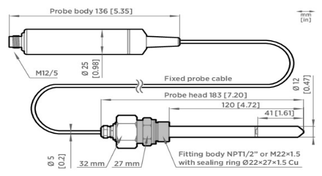
Probe Dimensions

Probe Option:

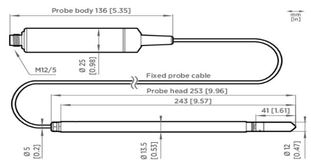
HMP3



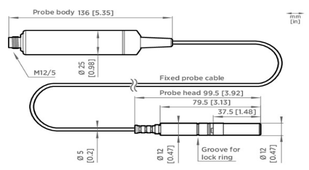
HMP4



HMP5



HMP7



HMP8

