

VAISALA

HMPX
Humidity and Temperature Probe



HMPX Order Form
GO1016EW-E
Valid from June 2025

Humidity and Temperature Probe		Sparepart	1	2	3	4	5	6	7	8	9	10	11
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										
		HMP4 with 2m cable	B										
		HMP5 with 2m cable	C										
		• HMP5 with 10m cable	D										
		HMP7 with 2m cable	E										
2		• HMP7 with 10m cable	F										
		HMP8 with 262mm probe head and 2m cable	G										
		HMP3 with 0.15m cable	H										
		• HMP3 with 5m cable	J										
		• HMP3 with 10m cable	K										
		HMP7 with 0.15m cable	L										
		• 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										
3		Catalytic Humicap sensor, allows sensor purge	3										
		Catalytic Humicap sensor, no sensor purge	4										
	4 Filter Type	Plastic grid 5 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									
	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									
4		Start-up purge off, interval purge on, probe heat on		2									
		Start-up purge on, interval purge on, probe heat on		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) ³		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									
5		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									
6		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									
	10 Probe Mounting Accessory	No accessories		0									
7		Delivered installed into Meteorological Installation Kit INDIGO500MIK ⁴		1									
		Combined delivery package for HMP3/7 probe and INDIGO510/S20 transmitter IND500HMPCOMBO ⁵		2									
		• Combined delivery package for HMP3/7 probe, duct installation kit and INDIGO510/S20 transmitter IND500HMPCOMBO ⁵		3									
		• Duct Installation Kit for HMP3/HMP7	210697	B									
		• Cable gland Agri, for sealing HMP3/HMP7 cable	HMP247C3	C									
		Fitting body M22 x 1/8, 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									
8		• 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									
9		• 0.3m connection cable with open wires	CB121089E-03M5P	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/S20 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/S20 transmitter and include IND500HMPCOMBO as a separate line item in the same order.

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 Datasheet Vaisala.com Indigo family page Services (online store)

For use with INDIGO transmitter:	HMPX	1	2	3	4	5	6	7	8	9	10	11
For modbus use:		3	A	2	A	1	A	0	A	0	0	0
		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	0	0
TMPX		7	A	1	A	0	A	0	A	0	0	0
INDIGO520		7	A	5	B	5	M	A	A	N		
INDIGO500MIK		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											



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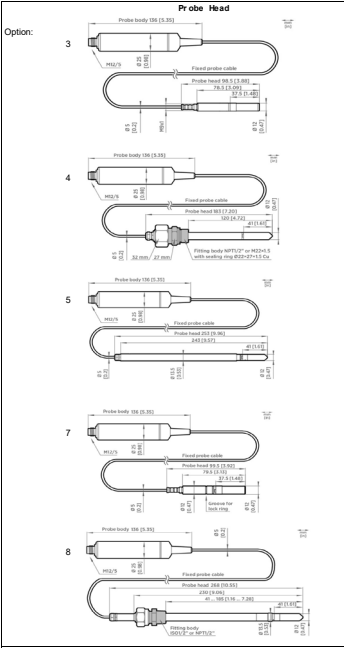
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accessory

Fitting Body M22x15
Mounting Flange for 13.5mm Diameter Probe
Duct Installation Kit For 12mm Probe 210697
Fitting Body Npt1/2 Solid Structure
Stainless Steel Filter High Flow
Connection Cable, M12-5F - Open Wires, 1.5 m
Connection Cable, M12-5F 90° - Open Wires, 0.6 m
Connection Cable M12-5F - Open Wires, Hygienic Design, 1.5m
Connection Cable M12-5F - Open Wires, Hygienic Design, 3m
Connection Cable M12-5F - Open Wires, Hygienic Design, 5m
Connection Cable M12-5F - Open Wires, Hygienic Design, 10m
Connection Cable, M12-5F - Open Wires, 3 m
Probe Connection Cable (M12-M12), 1.5 m
Ball Valve ISO1/2 with Welding Joint
Flat Cable, M12-5(M) - M12-5(F), 1m
Connection cable, M12-5F - open wires, 0.3 m
Metal Coated PPS Grid Filter with Stainless Steel Mesh, Female Thread
Fitting Body Iso1/2 Solid Structure
Sintered Stainless Steel Filter, Female Thread
Probe Connection Cable (M12-M12), 10 m
Probe Connection Cable, M12-5F - M12-5M, 1 m
Probe Connection Cable, M12-5F - M12-5M, 3 m
Probe Connection Cable, M12-5F - M12-5M, 5 m
Swagelok for 12mm Probe 1/2" ISO Thread
Swagelok for 12mm Probe 3/8" ISO Thread
Swagelok for 12mm Probe 1/2" NPT Thread
Indigo-compatible USB Adapter

item code

17223SP
2105R6
210697
212810SP
220752SP
232535SP
244659SP
254294SP
254295SP
254296SP
254297SP
26719SP
272075SP
BALLVALVE-1
CBL210493SP
CBL210896-03MSP
DRW10281SP
DRW212076SP
HM47285SP
INDIGOCABLE10M
INDIGOCABLE1M
INDIGOCABLE3M
INDIGOCABLE5M
SWG12ISO12
SWG12ISO38
SWG12NPT12
USBZ



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