



Humidity and Temperature Probe HMP7

For high humidity, with probe warming

Valid from: January 2023

		Probe type	Probe cable	Sensor type	Filter type	Sensor purge	RS-485 baud rate	Data, Parity, Stop bits	Modbus address	Reserved	Installation accessory	Connection cable
	Order code	HMPX	7							0		
1	Probe type											
	HMP7 for high humidity	7										
2	Cable length between probe head and probe body											
	0.15 m		L									
	2 m		E									
	10 m		F									
3	Sensor type											
	Humicap R2 composite sensor, allows sensor purge			1								
	Catalytic composite sensor, allows sensor purge			3								
4	Filter type											
	PPS plastic grid & stainless steel netting <i>spare: DRW010281SP</i>				A							
	Sintered stainless steel filter <i>spare: HM47280SP</i>				B							
	Membrane SST filter for fuel cell applications <i>spare: 214848SP</i>				E							
5	Sensor purge, default purge interval 24h											
	1) 2) Probe heat on, purge on. (Dew point measurement only)					2						
	1) 2) Fast probe heat on, purge on. (Optimized for Fuel cell application)					7						
6	RS-485 baud rate											
	1) 19200 bps use with Indigo transmitters						A					
	9600 bps						B					
7	Data, Parity, Stop bits											
	1) 8, N, 2 use with Indigo transmitters							0				
	8, E, 1							2				
	8, O, 1							4				
8	Modbus address											
	1) 240 use with Indigo transmitters								A			
	110								B			
	120								C			
	130								D			
9	Reserved											
	None									0		
10	Probe mounting accessory											
	None										0	
	<i>Duct installation kit</i> <i>spare: 210697</i>										B	
	<i>Cable gland with split seal; for sealing the probe from the cable</i> <i>spare: HMP247CG</i>										C	
	<i>Swagelok for NPT 1/2" thread</i> <i>spare: SWG12NPT12</i>										G	
	<i>Swagelok for ISO 3/8" thread</i> <i>spare: SWG12ISO38</i>										H	
	<i>Swagelok for ISO 1/2" thread</i> <i>spare: SWG12ISO12</i>										J	
	<i>Splash protector for warmed HMP7</i> <i>spare: HMT330WPA</i>										K	
	Installed to Indigo500MIK at Vaisala (order INDIGO500MIK separately with pre-installation)										1	
11	Connection cable											
	None											0
	<i>1.5m with open wires</i> <i>spare: 223263SP</i>											1
	<i>10m, with open wires</i> <i>spare: 216546SP</i>											2

1) Factory pre-set, can be changed in the field with a service cable (P/N USB2)

2) When probe heating is activated, dew point temperature, mixing ratio and water mass fraction are available.
For RH, T and other variables, compensation temperature has to be set through the Modbus interface

Probe can be connected to INDIGO series of transmitters regardless of the output configuration.

Selections in bold are included in the prices of the basic versions.

Selections in italic are available at an extra price.

Example of order code with typical settings:

For use with INDIGO transmitters	HMPX	7	E	1	A	2	A	0	A	0	0	0
For use with Modbus RTU	HMPX	7	E	1	A	2	A	0	A	0	0	2