VAISALA



HMP110 Order Form
G010026EN-A
Valid from July 2023

HMP110
Humidity and Temperature Probe, ±1.5 %rh

				SPARE CODE	HMP110	1	2	3	4	5	6	7	8	9
	Humidity and Temperature Probe, ±1.5 %rh													
hardware	1 Output Signals		**0 ... 1 V**			**A**								
			0 ... 2.5 V			**B**								
			0 ... 5 V			**C**								
			1 ... 5 V			**D**								
			Scaling for 4...20mA loop power converter [3]			**I**								
			Modbus RTU			**M**								
			RS-485 Output			**R**								
			for AWS			**S**								
			Serial interface Mode for Vaisala Host Devices (HMT120, HMT130, HM40)			**V**								
			for RFL100			**Z**								
settings	2 Measured Parameter for Channel 1		**RS485 Digital Mode: All Parameters** [1]				**0**							
			RH (0...100%)				**1**							
			T -40...+60 °C				**2**							
			Td -40...+60 °C				**3**							
			T -40...+80 °C				**5**							
			Td -40...+80 °C				**6**							
			Tw -40...+60°C				**7**							
			h (-40...460 kJ/kg)				**8**							
			Special scale, please specify parameter and range:	_____			**X**							
	3 Measured Parameter for Channel 2 [2]		**RS-485 or Current interface** [1]					**0**						
			RH (0...100%)					**1**						
			T -40...+60 °C					**2**						
			Td -40...+60 °C					**3**						
			T -40...+80 °C					**5**						
			Td -40...+80 °C					**6**						
			Tw -40...+60°C					**7**						
			h (-40...460 kJ/kg)					**8**						
			Special scale, please specify parameter and range:	_____				**X**						
hardware	4 Sensor Protection	+	**Plastic Grid with Filter**	*DRW010525SP*					**A**					
			Plastic Grid	*DRW010522SP*					**B**					
		•	*Stainless Steel Sintered Filter*	*HM46670SP*					*C*					
		•	*Sintered PTFE Filter*	*DRW244938SP*					*E*					
			Metal Grid with PTFE Membrane Filter	*ASM212652SP*					**F**					
accessory	5 Mounting Accessories		**No Accessories**							**0**				
			Pair of plastic nuts	*18350SP*						**1**				
			Probe Holder for HMT120/130/140							**2**				
		•	*Duct Installation Kit*	*215619*						*3*				
		•	*Outdoor Installation Kit Assembled DTR504A with HMP110*							*5*				
hw	6 Humidity Sensor	+	**Robust general purpose humidity sensor (180R)**								**C**			
		•	*Catalytic Sensor for H_2O_2 environments (180V)*								*V*			
accessory	7 Probe Cable Length		**No Cable**									**1**		
		•	*Shielded Cable, 0.32m, 4-pin M8 Female Straight*	*HMP50Z032SP*								*2*		
		•	*Shielded Cable, 3.0m, 4-pin M8 Female Straight*	*HMP50Z300SP*								*3*		
		•	*Shielded Cable, 1.5 m, High Temp*	*225777SP*								*4*		
		•	*Shielded Cable, 3 m, High Temp*	*225229SP*								*5*		
		•	*Shielded Cable, 2m, snap in connector*	*211598*								*6*		
		•	*FEP Shielded Cable 180°C, 3m*	*226902SP*								*F*		
		•	*Shielded Cable, 1.20m 4-pin M8 Female Straight*	*HMP50Z120*								*H*		
		•	*FEP Shielded Cable 180°C, 1.5m*									*J*		
	8 User Guide		**No User's Guide**										**A**	
			Multilingual Quick Guide HMP60 HMP110										**B**	
hw	9 Special		**No Converter**											**0**
		•	*4...20 mA loop power converter* [3]	*UI-CONVERTER-1CB*										*1*
			Always use single unit package											**2**

1) Select this option only if you use digital communication or connect this product with Vaisala host device (such as HMT120 and RFL100)
2) Channel 2 parameters can be selected only if Analog output signals are used (0... 1V, 0.. 2.5V, 0...5V, 1...5V)
3) Select for use with 4..20 mA loop power converter. Converts channel 1 output to 4 ... 20 mA signal when used with the optional 4 ... 20 mA loop converter circuit board

NOTE:
Selections in bold are included in the prices of the basic versions.
• *Selections in italic are available at an extra price.*
✚ Suggested/default selection

LINKS:
User Guides
Datasheet
Filter selection guide
Vaisala.com product page
Cable datasheet

Example of order code with typical settings:

		1	2	3	4	5	6	7	8	9
1V outputs:	**HMP110**	**A**	**1**	**5**	**A**	**0**	**C**	**1**	**B**	**0**
Modbus output:	**HMP110**	**M**	**0**	**0**	**A**	**0**	**C**	**1**	**B**	**0**
For HMT120	**HMP110**	**V**	**0**	**0**	**A**	**2**	**C**	**1**	**A**	**0**
For RFL100:	**HMP110**	**Z**	**0**	**0**	**B**	**0**	**C**	**1**	**A**	**0**
For CWL100:	**HMP110**	**M**	**0**	**0**	**A**	**0**	**C**	**1**	**A**	**0**

Related items	**Part number**
Duct Installation Kit	215619
Shielded Cable, 3.0m, 4-pin M8, High Temp.	225229SP
Shielded Cable, 1.5m, 4-pin M8, High Temp.	225777SP
Probe Mounting Flange HMM100	226061
Probe Mounting Clamps (10 pcs) Probe Ø12	226067
Shielded Cable, 1.5 m SAC-4-P-1.5-PUR/M 8FR SH	231519SP
Connection Cable, M8-4F 90° - open wires, 3 m	231520SP
Shielded Cable, 5 m SAC-4-P-5.0-PUR/M 8FR SH	231521SP
Shielded Cable, 20 m SAC-4P-20,0-PUR/M8FS SH	235859SP
Shielded Cable, 15 m SAC-4P-15,0-PUR/M 8FS	236407SP
Magnetic Probe Holder, 5pcs	ASM213382SP
Flat cable, M8-4(M) - M8-4(F), 1m	CBL210649SP
Spare Part M8 Splitter for RFL100	CBL210834SP
Sensor Protection Grid DRW010522	DRW010522SP
Metal Coated PPS Grid Filter with PTFE membrane, Male Thread	DRW010525SP
Porous Sintered PTFE Filter Ø12, L25mm	DRW244938SP
Sintered Stainless Steel Filter, Male Thread	HM46670SP
Connection Cable, M8-4F - Open Wires, 0.32 m	HMP50Z032SP
Connection Cable, M8-4F - Open Wires, 10 m	HMP50Z1000SP
Shielded Cable, 1.20m 4-pin M8 Female Straight	HMP50Z120
Connection Cable, M8-4F - Open Wires, 3 m	HMP50Z300SP
Connection Cable, M8-4F - Open Wires, 5 m	HMP50Z500SP
Connection Cable, M8-4F - M8-4M, 10 m	HMT120Z1000
Connection Cable, M8-4F - M8-4M, 1,2 m	HMT120Z120
Connection Cable, M8-4F - M8-4M, 20 m	HMT120Z2000
Connection Cable, M8-4F - M8-4M, 3 m	HMT120Z300
Connection Cable, M8-4F - M8-4M, 5 m	HMT120Z500
Component Board 4...20 mA loop powered converter	UI-CONVERTER-1CB