ESIS Industrial Electronics
www.esis.com.au
Ph 02 9481 7420
Fax 02 9481 7267
esis.enq@esis.com.au

VAISALA

HMP113 Order Form
G010027EN-A
Valid from July 2023

HMP113
Humidity and Temperature Probe with plastic body and accuracy of ±1.5%RH

					1	2	3	4	5	6	7	8	9
	Humidity and Temperature Probe with plastic body and accuracy of ±1.5%RH		**SPARE CODE**	**HMP113**			-		-	C			
hardware	1 Output Signals		**0...1V Output**		**A**								
			0...2.5V Output		**B**								
			0...5V Output		**C**								
			1...5V Output		**D**								
			Scaling for 4...20 mA loop power converter [1]		**I**								
			Modbus RTU Output		**M**								
			RS-485 Output		**R**								
			Serial Interface Mode for Vaisala Host Devices (HMT120, HMT130, HM40)		**V**								
settings	2 Measured Parameter for Channel 1		**RS485 Digital Mode: All Parameters** [2]			**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 [3]		**RS-485 or Current Interface**				**0**						
			RH (0...100%)				**1**						
			T -40...+60 °C				**2**						
			Td -40...+60 °C				**3**						
			Td -40...+80 °C				**6**						
			T 0...+100 °C				**J**						
			Tw -40...+60 °C				**7**						
			h -40 ... 460 kJ/kg				**8**						
			T -40...+80 °C				**5**						
			Special scale, please specify parameter and range: _____				**X**						
hardware	4 Sensor Protection	✚	**Plastic Grid with Filter**	*ASM210856SP*				**A**					
			Plastic Grid	*DRW240185SP*				**B**					
		•	*Sintered Filter AISI 316L*	*HM47280SP*				*C*					
		•	*Porous PTFE Filter*	*219452SP*				*D*					
accessory	5 Accessories		**No Accessories**						**0**				
			Probeholder For HMP113 and HMP63	*DRW238590SP*					**2**				
	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*		
		•	*FEP Shielded Cable 180°C, 3m*	*226902SP*							*F*		
	8 User Guide		**No User's Guide**									**A**	
			Multilingual Quick Guide HMP60 HMP110									**B**	
	9 Loop Power Converter		**No Converter**										**0**
		•	*Component Board 4...20 mA loop powered converter*	UI-CONVERTER-1CB									*1*

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

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
Vaisala.com product page
Filter selection guide
Cable datasheet

Example of order code with typical settings:

		1	2	3	4	5	6	7	8	9
1V outputs:	**HMP113**	**A**	**1**	**5**	**A**	**0**	**C**	**1**	**B**	**0**
Modbus output:	**HMP113**	**M**	**0**	**0**	**A**	**0**	**C**	**1**	**B**	**0**
For HM40:	**HMP113**	**V**	**0**	**0**	**B**	**2**	**C**	**1**	**A**	**0**

Related Items	**Part number**
Shielded Cable, 3.0m, 4-pin M8, High Temp.	225229SP
Shielded Cable, 1.5m, 4-pin M8, High Temp.	225777SP
FEPCable shielded, 3.0m 4-Pin M8 Female Straight	226902SP
Plastic Grid with Membrane Filter	230727SP
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, 10 m SAC-4-P-10.0-PUR/M8FR SH	231522SP
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
Plastic Locking Bushing (3 pcs) for HMP113 Attachment to HM40 Indicator	DRW238590SP
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