



HMP110 Humidity and Temperature Probe, ±1.5 %rh

				1	2	3	4	5	6	7	8	9			
	Humidity and Temperature Probe, ±1.5 %rh		SPARE CODE	HMP110											
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 ²	I											
			Modbus RTU	M											
			RS-485 Output for AWS	R											
			Serial Interface Mode for Vaisala Host Devices (HMT120, HMT130, HM40)	S											
				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										
hardware	4	Sensor Protection	+ Plastic Grid with Filter	DRW010525SP	A										
				Plastic Grid	DRW010522SP	B									
				Stainless Steel Sintered Filter	HM466705P	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 ₂ O 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									
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
IV 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

- Duct Installation Kit
- Shielded Cable, 3.0m, 4-pin M8, High Temp.
- Shielded Cable, 1.5m, 4-pin M8, High Temp.
- Probe Mounting Flange HMT100
- Probe Mounting Clamps (10 pcs) Probe Ø12
- Shielded Cable, 1.5 m SAC-4-P-1.5-PUR/M 8FR SH
- Connection Cable, M8-4F 90° - open wires, 3 m
- Shielded Cable, 5 m SAC-4-P-5.0-PUR/M 8FR SH
- Shielded Cable, 20 m SAC-4P-20.0-PUR/M8FS SH
- Shielded Cable, 15 m SAC-4P-15.0-PUR/M 8FS
- Magnetic Probe Holder, 5pcs
- Flat cable, M8-4(M) - M8-4(F), 1m
- Spare Part M8 Splitter for RFL100
- Sensor Protection Grid DRW010522
- Metal Coated PPS Grid Filter with PTFE membrane, Male Thread
- Porous Sintered PTFE Filter Ø12, L25mm
- Sintered Stainless Steel Filter, Male Thread
- Connection Cable, M8-4F - Open Wires, 0.32 m
- Connection Cable, M8-4F - Open Wires, 10 m
- Shielded Cable, 1.20m 4-pin M8 Female Straight
- Connection Cable, M8-4F - Open Wires, 3 m
- Connection Cable, M8-4F - Open Wires, 5 m
- Connection Cable, M8-4F - M8-4M, 10 m
- Connection Cable, M8-4F - M8-4M, 1.2 m
- Connection Cable, M8-4F - M8-4M, 20 m
- Connection Cable, M8-4F - M8-4M, 3 m
- Connection Cable, M8-4F - M8-4M, 5 m
- Component Board 4...20 mA loop powered converter

Part number

- 215619
- 225229SP
- 225777SP
- 226061
- 226067
- 231519SP
- 231520SP
- 231521SP
- 235859SP
- 236407SP
- ASM213382SP
- CBL210649SP
- CBL210834SP
- DRW010522SP
- DRW010525SP
- DRW244938SP
- HM466705P
- HMP50Z032SP
- HMP50Z1000SP
- HMP50Z120
- HMP50Z300SP
- HMP50Z500SP
- HMT120Z1000
- HMT120Z120
- HMT120Z2000
- HMT120Z300
- HMT120Z500
- UI-CONVERTER-1CB