



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 ³	I									
		Modbus RTU	M									
		RS-485 Output for AWS	R									
		Serial Interface Mode for Vaisala Host Devices (HMT120, HMT130, HM40) for RFL100	V									
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	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 (I80R)		C								
		• Catalytic Sensor for H ₂ O ₂ environments (I80V)		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-ICB	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 <i>italic</i> are available at an extra price. * Suggested/default selection
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LINKS:	User Guides Datasheet Filter selection guide Vaisala.com product page Cable datasheet
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Example of order code with typical settings:

		1	2	3	4	5	6	7	8	9
TV 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, 12 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
 HMT120Z1000
 HMT120Z120
 HMT120Z2000
 HMT120Z300
 HMT120Z500
 UI-CONVERTER-ICB