VAISALA

Order form DOC216225 rev AA

Valid from: 2022-10-05
Order no.

HMP155 Humidity and Temperature Probe

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Price
	Vaisala HUMICAP® Humidity and Temperature Probe			**HMP155**																
1.	**Probe type**	2 x voltage output (RS485 for service use)		A																
		Voltage output for RH, 4-wire Pt100 output for Temperature (RS485 for service use)		D																
		RS485 serial output		E																
2.	**Signal output selection**	RS485 serial output (only for probe type E)		1																
		0...1 V output		2																
		0...5 V output		3																
		0...10 V output		4																
3.	**Analog output signal for CH1**	None (RS485 or 4-wire PT100 output used)			A															
		RH	(0... 100%RH)		B															
	- Choose option A, if no	Td (-60...60°C)	(-76...+140 °F)		C															
	T output is desired,	Tdf (-60...60°C)	(-76...+140 °F)		D															
	4-wire measurement is used	Tw (0...60°C)	(+32...+140°F)		E															
	or output is RS485	x (0...200g/kg d.a)	(0...1400gr/lb)		F															
		T (-40...+60 °C)	(-40...+140 °F)		G															
		T (-80...+60 °C)	(-112...+140 °F)		J															
	Special	Define scale and quantity Ch1:_____			X															
4.	**Analog output signal for CH2**	None (RS485 or 4-wire PT100 output used)				A														
		RH	(0... 100%RH)			B														
	- Choose option A, if no	Td (-60...60°C)	(-76...+140 °F)			C														
	T output is desired,	Tdf (-60...60°C)	(-76...+140 °F)			D														
	4-wire measurement is used	Tw (0...60°C)	(+32...+140°F)			E														
	or output is RS485	x (0...200g/kg d.a)	(0...1400gr/lb)			F														
		T (-40...+60 °C)	(-40...+140 °F)			G														
		T (-80...+60 °C)	(-112...+140 °F)			J														
	Special	Define scale and quantity Ch2:_____				X														
5.	**Units**	Metric					1													
		Non-metric					2													
		AW20 AWOS settings					3													
6.	**Humidity sensor type**	General purpose	HumiCap 180R					1												
		Composite sensor	HumiCap 180RC					2												
		General purpose	InterCap					3												
		Composite sensor	InterCapC					4												
		General purpose	HumiCap R2					5												
		Composite sensor	HumiCap R2C					6												
		General purpose	HumiCap 180R+YSI					7												
7.	**Heating options**	None							A											
	- See note (*) below!	Warmed probe (only with composite sensor)	RH&T outputs only with Additional Temperature probe						B											
		Warmed probe with Xheat (only with composite sensor)	RH&T outputs only with Additional Temperature probe						C											
8.	**Chemical purge**	None								0										
		Periodical (only with composite sensor)								1										
		Start-up (only with composite sensor)								2										
		Both periodical & start-up (only with composite sensor)								3										
		Manual purge with MI70 (only with composite sensor)								4										
9.	**Sensor protection**	Sintered Teflon filter									A									
		Membrane filter	Item: 230727								B									
10.	**Probe cable length**	No cable (no counter connector)										0								
		3.5 m (with 8 pin M12 female connector)	Item: 220496									1								
		10 m (with 8 pin M12 female connector)	Item: 220497									2								
		30 m (with 8 pin M12 female connector)	Item: 220498									3								
		5 m (with 8 pin M12 female connector)	Item: 223283									4								
		0.6m MAWS cable (8-pin, M12 at both ends)	Item: 230293									5								
		3 m MAWS cable (8-pin, M12 at both ends)	Item: 215494									6								
		0.8 m (with 8 pin M12 female connector)	Item: 272226									7								
		MAWS201M Cable										H								
		AWS520 Cable										J								
11.	**Additional Temperature probe**	None (if probe type D selected, please select option A)											A							
		Additional T-probe with 2m cable											B							
		No additional T for MAWS use (If Probe Type D Selected, Please Select Option A)											C							
		Additional T-probe with 2m cable for MAWS use											D							
		No Additional T-probe & data format for Vaisala AWS/RWS Use (HMP155-CFG08)											E							
		Additional T-Probe with 2m Cable & data format for Vaisala AWS/RWS Use (HMP155-CFG09)											F							
		Additional T-Probe with 2m Cable, Purge & data format or Vaisala AWS/RWS Use (HMP155-CFG10)											G							
12.	**Calibration**	At room temperature												1						
		Accredited Calibration for New Instruments (HELACCRCAL)												3						
13.	**PC-Accessories**	None													A					
		PC connection cable (USB)	Item: 221040												B					
		MI70 connection cable	Item: 221801												C					
		PC connection cable (USB) & MI70 connection cable													D					
14.	**Installation accessories**	None														0				
		Installation kit to Stevenson screen	Item: 221321													1				
		Additional T-probe installation part to DTR502	Item: 221072													2				
		Additional T-probe installation part to DTR13	Item: 221069													3				
		PTB330TS														4				
15.	**(For production use only)**																A			

Total
QTY
Total value

(*) Note! If warmed probe is chosen and additional temperature sensor is not used output signal for Ch1 must be 'None' and for Ch2 only Td, Tdf or x output can be selected.

Accessories and spares

Filters	Sintered Teflon filter	219452SP
	Membrane filter	230727SP
Cables	Cable 0.8 m 8-pin M12	272226
	Cable 3.5 m 8-pin M12	220496
	Cable 5 m 8-pin M12	223283
	Cable 10 m 8-pin M12	220497
	Cable 30 m 8-pin M12	220498
	USB-M12 service cable	221040
Radiation shield	Large shield (suitable for HMP155 with additional T-probe)	DTR13
	Compact shield (suitable for HMP155)	DTR503
	Small shield (suitable for additional T-probe)	DTR502
Probe mounting accessories	Additional T-probe installation adapter for DTR13	221069
	Additional T-probe installation adapter for DTR502	221072

	HMP155 and additional T-probe installation adapter for Stevenson screen	221321
Calibration accessory	MI70 measurement indicator	MI70
	MI70 connection cable	221801
	HMK15 humidity calibrator (saturated salt solutions)	HMK15
	HMK15 adapter fitting for 12-mm probes	218377SP
Others	HMP155 connector cover for protection in wet environment	DRW236638
	Protection set for calibration buttons: protective cover, 2 O-rings and protective plug	221318