VAISALA

Order Form G010063EN-B **Valid from: 2025-11-25**
Public Order no.

HMP155 HUMICAP® Humidity and Temperature Probe

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	Vaisala HUMICAP® Humidity and Temperature Probe			**HMP155**																**Price**
1.	**Probe type**	2 x voltage output (RS-485 for service use)			A															
		Voltage output for RH, 4-wire Pt100 output for temperature (RS-485 for service use)			D															
		RS-485 serial output			E															
2.	**Signal output selection**	RS-485 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 (RS-485 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													
	temperature output is needed,	Tdf (-60 ... 60 °C)	(-76 ... +140 °F)				D													
	4-wire measurement is used,	Tw (0 ... 60 °C)	(+32 ... +140 °F)				E													
	or output is RS-485.	x (0–200 g/kg d.a)	(0–1400 gr/lb)				F													
		T (-40 ... +60 °C)	(-40 ... +140 °F)				G													
		T (-80 ... +60 °C)	(-112 ... +140 °F)				J													
4.	**Analog output signal for CH2**	None (RS-485 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												
	temperature output is needed,	Tdf (-60 ... 60 °C)	(-76 ... +140 °F)					D												
	4-wire measurement is used,	Tw (0 ... 60 °C)	(+32 ... +140 °F)					E												
	or output is RS-485.	x (0–200 g/kg d.a)	(0–1400 gr/lb)					F												
		T (-40 ... +60 °C)	(-40 ... +140 °F)					G												
		T (-80 ... +60 °C)	(-112 ... +140 °F)					J												
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										
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								
		Startup (only with composite sensor)										2								
		Both periodical & startup (only with composite sensor)										3								
		Manual purge with MI70 (only with composite sensor)										4								
9.	**Sensor protection**	Sintered Teflon filter	219452SP										A							
		Membrane filter	230727SP										B							
10.	**Probe cable length**	No cable (no counter connector)												0						
		3.5 m (with 8-pin M12 female connector)	220496											1						
		10 m (with 8-pin M12 female connector)	220497											2						
		30 m (with 8-pin M12 female connector)	220498											3						
		5 m (with 8-pin M12 female connector)	223283											4						
		0.6 m MAWS cable (8-pin, M12 at both ends)	230293											5						
		3 m MAWS cable (8-pin, M12 at both ends)	215494											6						
		0.8 m (with 8-pin M12 female connector)	272226											7						
		100 m (with 8-pin M12 female connector)	279350											8						
		MAWS201M cable												H						
		AWS520 cable												J						
11.	**Additional temperature probe**	None (if probe type D selected, select option A)													A					
		Additional T-probe with 2-m cable													B					
		No additional T for MAWS use (If probe type D selected, select option A)													C					
		No additional T-probe & data format for Vaisala AWS/RWS use													E					
		Additional T-probe with 2-m cable and data format for Vaisala AWS/RWS use													F					
		Additional T-probe with 2-m cable, purge and data format or Vaisala AWS/RWS use													G					
		No additional T-probe & setting for Vaisala MAWS201MR use													H					
12.	**Calibration**	At room temperature														1				
		Accredited calibration for HMP155	(a separate service item HMP155NPC will be added)													3				
13.	**Computer accessories**	None															A			
		PC connection cable (USB)	221040														B			
		MI70 connection cable	221801														C			
		PC connection cable (USB) & MI70 connection cable															D			
14.	**Installation accessories**	None																0		
		Installation kit to Stevenson screen	221321															1		
		Additional T-probe installation adapter to DTR502	221072															2		
		Additional T-probe installation adapter for DTR13	221069															3		
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.

Note that the settings and data format of the Vaisala weather station are controlled by the complete configuration code.

ITEM	CONFIGURATION CODE	System where the pre-configuration probe is used
HMP155-CFG08	E1AA11A0A0E1A0A	AWS810/AWS310/RWS200 non-heated
HMP155-CFG09	E1AA12B0A0F1A0A	AWS810/AWS310/FD70 warmed probe
HMP155-CFG10	E1AA14B1B0G1A0A	RWS200 warmed probe with purge, INTERCAP C
HMP155-CFG18	E1AA16B1A0G1A0A	RWS200 warmed probe with purge, HUMICAP R2C

Other accessories and spare parts

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
Cable 100 m 8-pin M12	279350
USB-M12 service cable	221040

Radiation shield

Large radiation shield for best performance (suitable for HMP155 with or without additional T-probe). Mounting on horizontal 40 x 40 mm beam.	DTR13
Large radiation shield with mounting arm for installation on Ø 60, Ø 75, and Ø 100 mm vertical poles. Wall mounting with mounting arm.	DTR13P44H
Compact radiation shield (suitable for HMP155 without additional T-probe). Mounting on horizontal 40 x 40 mm beam.	DTR503
Compact radiation shield with mounting arm for installation on Ø 104 or Ø 60 mm vertical poles. Wall mounting with mounting arm.	DTR503A

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