

**HMP155 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	HMP155A: 2 x voltage output (RS485 for service use) HMP155D: Voltage output for RH, 4-wire Pt100 resistive output for T (RS485 for service use) HMP155E: RS485 serial output	A D E																		
2. Signal output selection	RS485 serial output (only for HMP155E) 0...1 V output 0...5 V output 0...10 V output		1 2 3 4																	
3. Analog output signal for CH1	None - Choose option A if no need for T output - Choose option A if for HMP155D or HMP155E	T (-40...+60 °C) (-40...+140 °F) T (-80...+60 °C) (-112...+140 °F)	A G J																	
4. Analog output signal for CH2	None (RS485 output used) - Choose option A if for HMP155E - Choose option B if for HMP155D	RH (0... 100%RH) Td (-60...60°C) (-76...+140 °F) Tdf (-60...60°C) (-76...+140 °F) Tw (0...60°C) (+32...+140°F) x (0...200g/kg d.a) (0...1400gr/lb)	A B C D E F																	
5. Units	Metric Non-metric			1 2																
6. Humidity sensor type	General purpose Composite sensor General purpose Composite sensor General purpose Composite sensor	HUMICAP 180R HUMICAP 180RC INTERCAP (replacing HUMICAP180) INTERCAPC (replacing HUMICAP180C) HUMICAP R2 HUMICAP R2C		1 2 3 4 5 6																
7. Heating options	None - See note (*) below!	Warmed probe (only with composite sensor) Warmed probe with Xheat (only with composite sensor)	RH&T outputs only with Additional Temperature probe RH&T outputs only with Additional Temperature probe	A B C																
8. Chemical purge	None Periodical (only with composite sensor) Start-up (only with composite sensor) Both periodical & start-up (only with composite sensor) Manual purge with MI70 (only with composite sensor)			0 1 2 3 4																
9. Sensor protection	Sintered Teflon filter Membrane filter	(item: 219452SP) (item: 230727SP)			A B															
10. Probe cable length	No cable (no counter connector) 3.5 m (with 8 pin M12 female connector) 10 m (with 8 pin M12 female connector) 30 m (with 8 pin M12 female connector) 5 m (with 8 pin M12 female connector)	(item: 220496) (item: 220497) (item: 220498) (item: 223283)		0 1 2 3 4																
11. Additional Temperature probe	None (if probe type D selected, please select option A) Additional T-probe with 2m cable No Additional T-probe & data format for Vaisala AWS/RWS Use (HMP155-CFG08) Additional T-Probe with 2m Cable & data format for Vaisala AWS/RWS Use (HMP155-CFG09) Additional T-Probe with 2m Cable, Purge & data format or Vaisala AWS/RWS Use (HMP155-CFG10)				A B E F G															
12. Calibration	At room temperature Accredited 5 point temperature calibration (-40,-20, 0, 20 and 40 °C) (K008, FINAS, ISO/IEC 17025) (not available yet)			1 2																
13. PC-Accessories	None PC connection cable (USB) MI70 connection cable PC connection cable (USB) & MI70 connection cable	(item: 221040) (item: 221801) (items: 221040 + 221801)			A B C D															
14. Installation accessories	None Installation kit to Stevenson screen Additional T-probe installation adapter to DTR502 Additional T-probe installation adapter to DTR13	(item: 221321) (item: 221072) (item: 221069)		0 1 2 3																
15. (For production use only)																				

(\*) 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.

Total	
QTY	
Total value	

**Accessories and spares**

Filters	Sintered Teflon filter	219452SP
	Membrane filter	230727SP
Cables	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 12-plate shield for best performance (suitable for HMP155 with additional T-probe)	DTR13
	Compact 12-plate shield (suitable for HMP155)	DTR503
	Small 9-plate radiation shield (suitable for additional T-prot)	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	211302SP
Others	HMP155 connector cover for protection in wet environmen	DRW236638
	Protection set for calibration buttons: protective cover, 2 O-rings and protective plug	221318