HMM170 Humidity Module

Type	Options	1	2	3	4	5	6	7	8
Output signals	RS485 Digital Output Only (Modbus RTU / RS485 in use)	1							
	4... 20 mA (3.6 mA when in error state)	2							
	4... 20 mA (21 mA when in error state)	3							
	0... 20 mA (21 mA when in error state)	4							
	0... 10 V (10.3 V when in error state)	5							
	0... 5 V (5.5 V when in error state)	6							
	1... 5 V (5.5 V when in error state)	7							
	0... 1 V (1.1 V when in error state)	8							
Parameter and scaling for analog output CH1	Water conc (wet basis) 0...40% vol		8						
	No Analog Outputs		A						
	Warmed probe: Td/f scale 0... +100 °C (32... +212 °F)		B						
	Warmed probe: Td/f with scale -20...+100 °C (-4...+212 °F)		C						
	Dewpoint/Frostpoint (Td/f) 0... +100 °C (32... +212 °F)		D						
	Relative Humidity (RH) 0... 100 % RH		E						
	T 0... +180 °C		F						
	T -70... +180 °C		G						
	T 0... +100 °C		H						
	Warmed probe: special Td/f scale °C, please specify (-80 ... +100 °C):		J						
	T special °C scale, please specify (-100... +200 °C):		K						
	Warmed probe: special Td/f scale °F, please specify (-120... +212 °F):		L						
	Special T -148... 392°F, non-metric		M						
	Water Activity (aw) 0... 1		R						
	Relative Saturation (%RS) 0... 100 % RS		S						
	Mineral transformer oil 0 … 100 ppm		T						
	Special PPM volume scale, please specify:		X						
	Special Mixing Ratio scale, please specify:		Y						
	Special Absolute Humidity scale, please specify:		Z						
Parameter and scaling for analog output CH2	CH2 Water conc (wet basis) 0...40% vol			8					
	No Analog Outputs CH2			A					
	CH2 Td/f with Warmed Probe 0... +100 °C (32... +212 °F)			B					
	CH2 Td/f with Warmed Probe -20...+100 °C (-4...+212 °F)			C					
	CH2 Dewpoint/Frostpoint (Td/f) 0... +100 °C (32... +212 °F)			D					
	CH2 Relative Humidity (RH) 0... 100 % RH			E					
	CH2 T 0... +180 °C			F					
	CH2 T -70... +180 °C			G					
	CH2 T 0... +100 °C			H					
	Warmed probe: special Td/f scale °C, please specify (-80 ... +100 °C):			J					
	T special °C scale, please specify (-100... +200 °C):			K					
	Warmed probe: special Td/f scale °F, please specify (-120... +212 °F):			L					
	T special °F scale, please specify(-148... 392°F):			M					
	CH2 Water Activity (aw) 0... 1			R					
	CH2 Relative Saturation (%RS) 0... 100 % RS			S					
	CH2 PPM_weight 0...100 ppm			T					
	Special PPM volume scale, please specify:			X					
	Special Mixing Ratio scale, please specify:			Y					
	Special Absolute Humidity scale, please specify:			Z					
	CH3 Water conc (wet basis) 0...40% vol				8				
	No Analog Outputs CH3				A				
	CH3 Td/f with Warmed Probe 0... +100 °C (32... +212 °F)				B				
	CH3 Td/f with Warmed Probe -20...+100 °C (-4...+212 °F)				C				
	CH3 Dewpoint/Frostpoint (Td/f) 0... +100 °C (32... +212 °F)				D				
	CH3 Relative Humidity (RH) 0... 100 % RH				E				

Parameter and scaling for analog output CH3	CH3 T 0... +180 °C				F				
	CH3 T -70... +180 °C				G				
	CH3 T 0... +100 °C				H				
	Warmed probe: special Td/f scale °C, please specify (-80 ... +100 °C):				J				
	T special °C scale, please specify (-100... +200 °C):				K				
	Warmed probe: special Td/f scale °F, please specify (-120... +212 °F):				L				
	T special °F scale, please specify(-148... 392°F):				M				
	CH3 Water Activity (aw) 0... 1				R				
	CH3 Relative Saturation (%RS) 0... 100 % RS				S				
	CH3 PPM_weight 0...100 ppm				T				
	Special PPM volume scale, please specify:				X				
	Special Mixing Ratio scale, please specify:				Y				
	Special Absolute Humidity scale, please specify:				Z				
Probe type and cable length	Stainless Steel Probe with 2 m / 6.5 ft cable (-70 °C... +180 °C)					1			
	Stainless Steel Probe with 5 m / 16.4 ft cable (-70 °C... +180 °C)					2			
	Stainless Steel Probe with 10 m / 32.8 ft cable (-70 °C... +180 °C)					3			
Humidity sensor type and chemical purge	Standard sensor, startup purge on, 24 h interval purge on						A		
	Standard sensor, startup purge on, interval purge off						B		
	Standard sensor, no purge						C		
	Moisture in oil sensor						D		
	H2O2-tolerant sensor, startup purge on, 24h interval purge on						E		
	H2O2-tolerant sensor, startup purge on, interval purge off						F		
	H2O2-tolerant HUMICAP No purge						G		
Sensor protection	PPS grid with Sst net							1	
	Sintered Filter AISI 316L							2	
	Porous PTFE Filter							3	
	Steel grid for vacuum application							4	
Product identity	Vaisala								A