



HMP155 Humidity and Temperature Probe for Outdoor Applications

Type	Options	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Probe Type	HMP155A: Analog Output for Humidity and Temperature	A														
	HMP155D: Analog Output for Humidity, Passive Output for Temperature	D														
	HMP155E: Digital Output for Humidity and Temperature	E														
Signal Output Selection	RS485		1													
	0...1V		2													
	0...5V		3													
	0...10V		4													
First Analog Parameter to be Reported (Channel 1)	Digital communication			A												
	RH 0...100%			B												
	Dew Point Temperature in Range -60 ... +60°C (-76...+140°F)			C												
	Frost Point Temperature in Range -60 ... +60°C (-76...+140°F)			D												
	Wet Bulb Temperature in Range 0 ... +60°C (32...+140°F)			E												
	Mixing Ratio in Range 0 ... 200 g/kg			F												
	Air Temperature in range -40 ... +60°C (-40 ... +140°F)			G												
	Air Temperature in range -80 ... +60°C (-112 ... +140°F)			J												
Second Analog Parameter to be Reported (Channel 2)	Digital communication				A											
	RH (0...100%RH)				B											
	Td (-60...+60°C) (-76...+140°F)				C											
	Tdf (-60...+60°C) (-76...+140°F)				D											
	Tw (0...+60°C) (32...+140°F)				E											
	x (0...200g/kg d a)				F											
	Temperature -40...+60 °C (-40...+140 °F)				G											
T (-80...+60°C) (-112...+140°F)				J												
Reporting Units in Data Message	Metric units					1										
	Non metric units					2										
	AWOS-Settings					3										
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 with YSI thermistor						7									
Heating Options to Avoid Condensation Issues	No Heating							A								
	Warmed Probe							B								
	Warmed Probe with XHeat (for Some Industrial Applications Only)							C								
Chemical Purge for Better Long Term Stability	No Chemical Purge								0							
	Periodical Chemical Purge, Specific Time Intervals								1							
	Start-up Chemical Purge, When Powered-up								2							
	Start-up and Periodical Chemical Purge								3							
	Manual Purge with MI70 Handheld Device Chemical Purge								4							
Protective Filter for Sensing Elements in Probe Head	Sintered PTFE-filter, Best protection for Long-term Stability									A						
	Membrane Filter 12,0mm UV-stabilized PC, White									B						
Data Output Cable	No Cable										0					
	3.5m Cable with Connector on HMP155 End + Open Leads on the Other End										1					
	10m Cable with Connector on HMP155 End + Open Leads on the Other End											2				
	30m Cable with Connector on HMP155 End + Open Leads on the Other End											3				
	5m Cable with Connector on HMP155 End + Open Leads on the Other End											4				
	QMH101 Cable M12, 0.6 m												5			
	QMH102 Cable M12, 3 m													6		

