



Dew point sensor / transmitter for industrial drying process

Models Select Chart

Pressure-tight screw connection:-		G1/2" thread 1/2" NPT thread			A C
Software configuration					
Physical parameters	Dew point temperature	Td	[°C/°F]		TD
Analog output	Frost point temperature	Tf	[°C/°F]	at dew point <0°C, the frost point is issued	TF
Td/Tf output scaling (in °C or °F)					xxx (acc. to table scaling ranges)
Measured value unit	metric [°C] non metric [°F]				M N

Scaling Range

TD or TF					
002	-40 to 60	022	-40 to 80	060	-20 to 40
003	-10 to 50	024	-20 to 80	083	-40 to 140
004	0 to 50	025	-20 to 60	090	32 to 120
007	0 to 60	047	-20 to 150	091	32 to 140
008	-30 to 70	048	-20 to 50		

Specifications:-		
Sensor	:	HC1000
Measuring range	:	-20...50 °C Td (-4...122 °F Td)
Accuracy	:	±1 °C Td (±1.8 °F Td)
Response time t 90 at 20 °C	:	< 30 sec.
Analogue output (scalable)	:	4-20 mA (3-wire technology)
Maximum adjustable scaling	:	-40...80 °C Td (-40...176 °F Td)
Digital interface	:	Modbus RTU
Temperature dependence	:	±0.005 % of the measuring span / °C
Supply voltage	:	10...28 V DC
Power consumption at 24 V DC	:	<40 mA
Pressure range of use	:	0...80 bar (0...1160 psi)
Housing / protection rating	:	Stainless steel 1.4404 (AISI 316L) / IP65
Electrical connection	:	M12x1 5-pin plug
Sensor protection	:	Stainless steel sinter filter
Temperature / humidity operating range	:	-40...60 °C (-40...140 °F) / 0...100 % RH
Storage temperature range	:	-40...60 °C (-40...140 °F)
Electromagnetic compatibility in accordance with	:	EN61326-1 EN61326-2-3 Industrial environment