

HMP238 Humidity and Temperature Transmitter

With pressure tight high temperature probe for pipeline installations

Vaisala HUMICAP®		HMP238		1																PRICE	
Transmitter type	RH+T <i>RH+T+Td</i> <i>RH+T+a+Tw+x</i> <i>RH+T+Td+a+Tw+x+h</i> <i>RH+T+h</i>	A <i>B</i> <i>C</i> <i>D</i> <i>F</i>																			
Display	no display <i>display on transmitter cover</i>		1 <i>2</i>																		
Probe cable length	2 m cable, +180 °C (+356 °F) <i>5 m cable, +180 °C (+356 °F)</i> <i>10 m cable, +180 °C (+356 °F)</i>	A <i>B</i> <i>C</i>																			
Power supply, alarm output & connectors	24 V, no connectors <i>115 V, no connectors</i> <i>230 V, no connectors</i> <i>24 V, + alarm output unit (no connectors)</i> <i>24 V, shared connector for power supply and analog outputs</i> <i>24 V, as above + alarm output unit not on connector</i> <i>115 V, connector for analog outputs</i> <i>230 V, connector for analog outputs</i>		0 <i>1</i> <i>2</i> <i>3</i> <i>4</i> <i>5</i> <i>6</i> <i>7</i>																		
Using serial interface:	<i>24 V, connector for RS232C</i> <i>24 V, 2 connectors: RS232C and analog outputs+power supply</i> <i>24 V, 2 connectors shared for power supply and RS485</i>		8 <i>9</i> <i>9</i>																		
Serial interface	RS 232C <i>RS 485/RS 422</i> <i>current loop</i>	A <i>B</i> <i>C</i>																			
Sensor protection	sintered stainless steel filter (16452)		1																		
Analogue output signals (Ch1 and Ch2)	4...20 mA 0...20 mA 0...1 V 0...5 V 0...10 V					A <i>B</i> <i>C</i> <i>D</i> <i>E</i>	A <i>B</i> <i>C</i> <i>D</i> <i>E</i>														
Parameters for the analog outputs (If available in the chosen transmitter type)	RH (0...100 %RH) T (range: see below) Td (-40...+100 °C) (-40...+212 °F) a (0...600 g/m3) (0...+262 gr/ft3) Tw (0...+100 °C) (+32...+212 °F) x (0...500 g/kg d.a.) (0...3500 gr/lb d.a.) h (-40...1500 kJ/kg) (-17.2...644.9 Btu/lb)						1 2 3 4 5 6 7	1 2 3 4 5 6 7													
(Ch1 and Ch2)																					
Analogue output range for temperature	-20...+80 °C (-4...+176 °F) -20...+120 °C (-4...+248 °F) -20...+180 °C (-4...+356 °F) -40...+80 °C (-40...+176 °F) -40...+120 °C (-40...+248 °F) -40...+180 °C (-40...+356 °F)							A <i>B</i> <i>C</i> <i>D</i> <i>E</i> <i>F</i>													
Units (local display and serial interface)	metric non-metric		1 2																		
Installation kit	no installation kit <i>ball valve set for pipeline installations</i>																				
Regaining option *) and sensor type	no regaining (HUMICAP K) <i>regaining (HUMICAP KC)</i>																				
Manual language	No manual English German French Finnish																				

TOTAL	
QTY	
TOTAL VALUE	

*) Humidity sensor regaining can be used to reduce the effects of some chemical contaminants. If the regaining option is chosen, the sensor must be protected either with a sintered filter or with a PPS plastic grid with steel netting; the PPS plastic grid can not be used. Please note that if mains power (115/230V) is selected regaining cannot be used. For further information about this option, please see product data sheet or contact Your Vaisala representative.

Selections in bold are included in the prices of the basic versions.
Selections in italic are available at an extra price.

Example of order code with typical settings:

HMP235	A	2	A	0	A	1	A	A	1	2	A	1	A	3	B
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End customer: _____