



Weather stations

Who doesn't have such a fabulously stupid digital or analog weather station that shows the air pressure, temperature and relative humidity inside and outside? In addition, there is the problem that digital weather stations cannot be adjusted.

All other information has nothing to do with the weather and could usefully be substituted in favor of much more important and missing values. These are: Absolute humidity, dew point and wet bulb temperature.

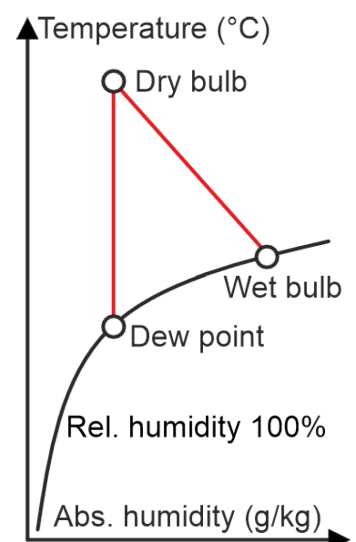
It is thought, that it is less humid inside with (23°C/40%), than outside with (5°C/70%). The problem is the display of the relative humidity. The absolute humidity is not listed, i.e. how many g/kg, which would indicate whether it is more humid inside or outside. In the example, it is more humid inside with (7,452 g/kg) than outside with (4,026 g/kg), ergo just the other way around!



We will therefore expand the AHH software with the 18th application in such a way, that you can see all these values, which you absolutely need to be able to determine whether it is wetter inside or outside in winter, for example.

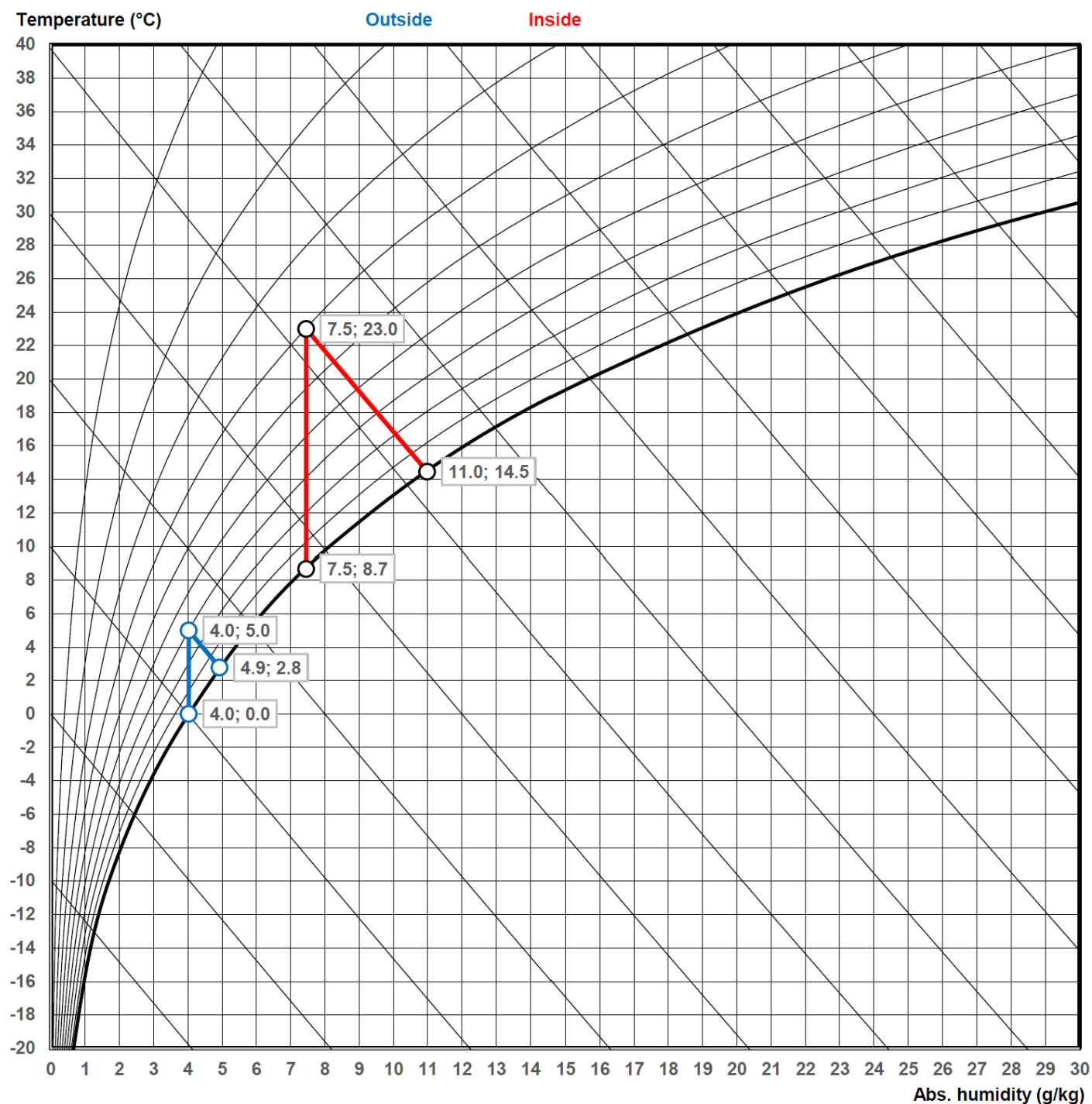
The fact that only one of hundreds of manufacturers of stupid weather stations will install the above additions, can be safely forgotten.

Inside		Dry bulb	Wet bulb	Dew point
Pressure	mbar	950.000	950.000	950.000
Temperature	°C	23.000	14.460	8.684
Rel. humidity	%	40.000	100.000	100.000
Abs. humidity	g/kg	7.452	10.985	7.452
Density humid	kg/m3	1.112	1.143	1.169
Enthalpy humid	J/kg	42099.176	42313.162	27492.060
Outside		Dry bulb	Wet bulb	Dew point
Pressure	mbar	950.000	950.000	950.000
Temperature	°C	5.000	2.786	0.007
Rel. humidity	%	70.000	100.000	100.000
Abs. humidity	g/kg	4.026	4.926	4.026
Density humid	kg/m3	1.187	1.196	1.208
Enthalpy humid	kJ/kg	15134.015	15144.526	10073.463



The red values can be read from any stupid weather station and entered in this application. Then all black values are calculated in a fraction of a second and supplemented by a Mollier-TX-Diagram, see page 2.

The thick black curve corresponds to a relative humidity of 100%. The thin black curves correspond to the relative humidity, decreasing in steps of 10%. The thin black lines running from the top left to the bottom right are called isenthalps in thermodynamics, i.e. lines of constant enthalpy. The black values at the respective points indicate the absolute humidity and temperature.



All this is information, that weather stations will not have in the near future, is therefore more or less totally useless and still costs far too much.

It is doubtful whether artificial intelligence can fix this at the alarming level of a senile narcissistic Donald Trump.

Bill Gates even thinks, that artificial intelligence could kill billions of living beings in the future.

