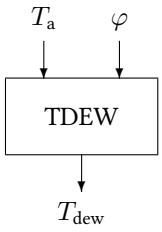
Block TDEW

The TDEW block calculates the dewpoint temperature.





Name	TDEW
Function	em0034
Inputs	2
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

1 Ambient temperature T_a / ° C
2 Relative humidity φ

Outputs

1 Dewpoint temperature T_{dew} / ° C

Parameters

None

Strings

None

tdew.vseit



Two nested DO blocks vary the relative humidity of air between zero and one in steps of 0.1 (outer DO block) and ambient temperature between zero and fifty degrees Celsius one in steps of one (inner DO block). The data are connected to a TDEW block which calculates the dewpoint temperature.

A PLOTP block is used to display the curves.

