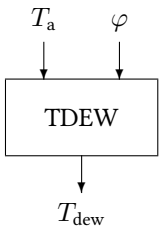


Block TDEW

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

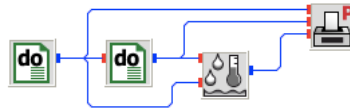
Parameters

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 **PLOT** block is used to display the curves.

