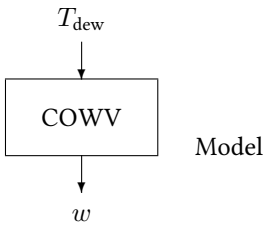


Block COWV

The COWV block calculates content of water vapour in the atmosphere as a function of the dewpoint temperature.



Name	COWV
Function	em0035
Inputs	1
Outputs	1
Parameters	0 ... [1]
Strings	0
Group	S

Inputs

- | | |
|---|---|
| 1 | Dewpoint temperature T_{dew} / ° C |
|---|---|

Outputs

- | | |
|---|----------------------------------|
| 1 | Content of water vapour w / cm |
|---|----------------------------------|

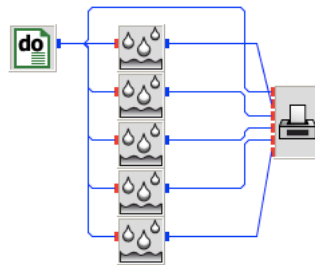
Parameters

- | | |
|---|----------------------------------|
| 1 | Model |
| 0 | Bolseigna (Hourly means) |
| 1 | Wright et al. (Three-hour means) |
| 2 | Reitan (Monthly means) |
| 3 | Atwater et al. (Monthly means) |
| 4 | Smith (Annual means) |

Strings

None

cowv.vseit



A **DO** block varies dewpoint temperature data from zero to a 30 degrees Celsius in steps of 0.1. The dewpoint temperature is connected to five **COWV** blocks with the five different model equations starting from Bolsejna (upper block) to Smith (lowest block).

The **PLOT** block shows the respective water vapor contents.

