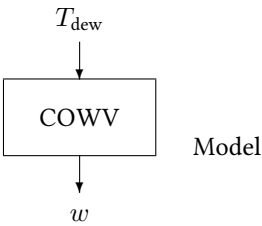


Block COWV

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

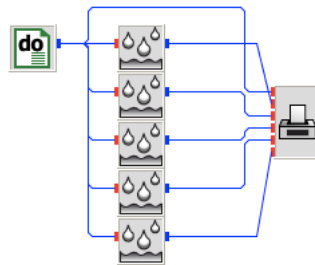
Parameters

- 1
- Model
- 0
- Bolsegna (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.

