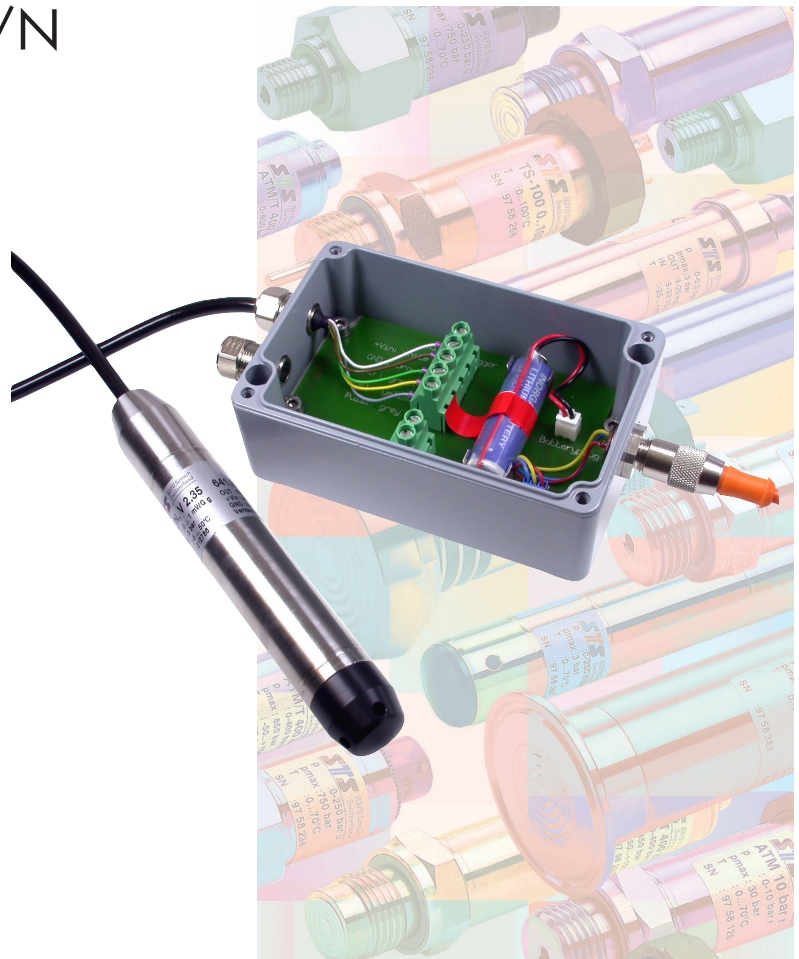


## DATALOGGER DL/N WITH COUNTER



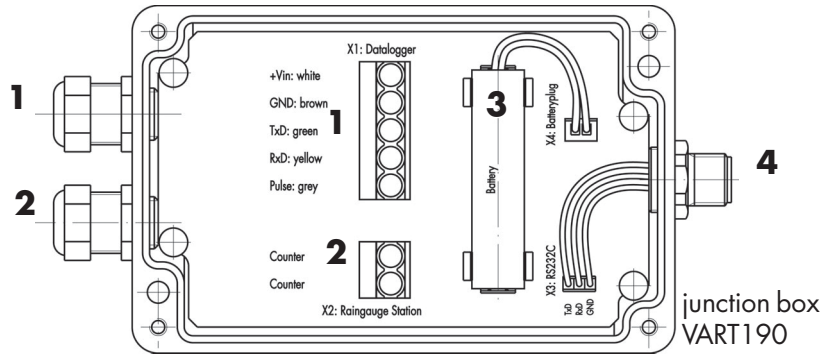
### Operating instructions

The datalogger with an integrated counter input is used as a rain gauge and to measure evaporation, making it possible to establish exactly how much rain has fallen or how much has evaporated during long periods of drought.

With this datalogger, the first channel is used to record pressure whilst the second channel functions as the counter input. This makes it possible to record hydrostatic pressure as well as a pulse. The datalogger and the counter are linked up via a VART190 junction box. This junction box also incorporates a battery that supplies the datalogger with power as well as an electrical port used to take readings from and to configure the datalogger.

The pulse scale can be set via the PC program, i.e., for example, 1 pulse corresponds to 1 mm precipitation. This value is then stored in the datalogger. Otherwise, the datalogger is identical to existing DL/N versions.

The datalogger and counter are connected as illustrated below:

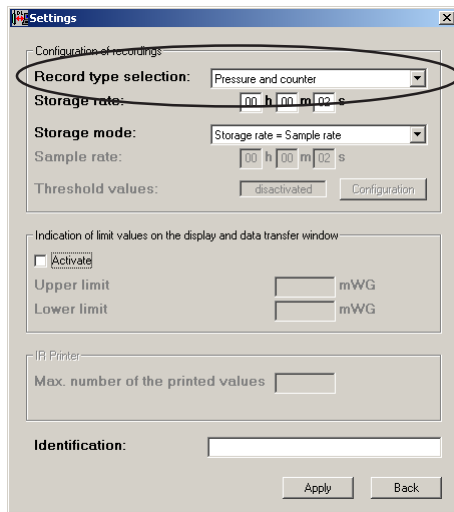


- 1 terminal block to connect the datalogger
- 2 terminal block to connect the counter
- 3 battery (VART092)
- 4 datalogger read-out and configuration interface

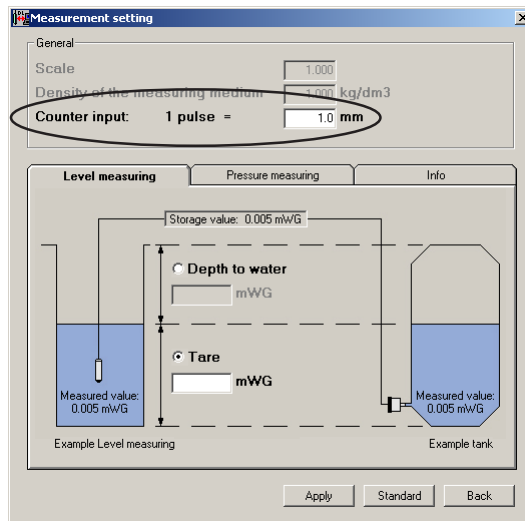
Configuring the counter in the software:

- 1 connect the lead to the junction box (4)
- 2 run the datalogger software
- 3 now you may configure the datalogger

Reading of:



pulse scaling (0.1 to 1.0 mm):



The input specifications are as follows:

contact resistance when closed  
 contact resistance when opened  
 max. frequency

$R_{on} < 100 \text{ k}\Omega$   
 $R_{off} > 10 \text{ M}\Omega$   
 3 Hz

Counter input wiring diagram:

