

# SOLAR CONTROL UNIT ACCESSORIES

## SD DATALOG KIT

### 1. SD Datalog kit

Accessories for Duplex Basic and Multiplex Advanced solar control units, consisting of Datalog software, SD card and USB adapter. Permanent long-term recording of all operating data on SD card and transfer to PC, as well as bidirectional transfer of system parameters (PC > Duplex/Multiplex > PC).

#### Datalog software – PC

- Display of schematics, temperatures, pump status, operating time, output and energy yield.
- System configuration, system monitoring, heat quantity meter and energy balancing.

#### System parameters and system configuration

- Set system parameters at the PC and transfer to solar control unit.
- Save current system parameters from solar control unit to an SD card.
- Check system parameters saved on SD card at the PC and modify.

#### Operating data, system monitoring and energy balancing

- Permanent recording of operating data on an SD card.
- Evaluation of operating data, system monitoring and energy balance on the PC.

#### Note:

##### A. The TiSUN memory card set and software are required for the following functions (item no. 1510327)

- Set system parameters on the PC and transfer to solar control unit.
- Check system parameters saved on SD card on the PC.
- Evaluation of operating data, system monitoring and energy balance on the PC.

##### B. No TiSUN memory card set and software are required for the following functions

(empty SD card required – not included in solar control unit delivery):

- Save current system parameters from solar control unit to an SD card.
- Permanent recording of operating data on an SD card.

### 2. Set system parameters on the PC and transfer to solar control unit

#### Brief instruction for the PC

- The software for setting the system parameters on the PC is stored on the memory card set (1510327).
- Start the software from the SD card or copy the software and all other files from the SD card to a new folder on the PC and then start the software from there (DataViewer.exe).
- Make the required settings in DataViewer and then save to the SD card. Preferentially use an empty SD card for data storage.

#### Brief instruction for the solar control unit

- Push the SD card into the card slot on the Duplex solar control unit.
- Transfer the system parameters to the SD card as follows:
  - Activate (switch on) the SD card in the Running Time menu and confirm software update with YES.
  - The SD card icon appears on the display and indicates that the SD memory card is activated.
  - The settings made on the PC are now transferred to the solar control unit and activated.

**Note:** If permanent recording of the operating data is not required the SD card can be removed from the solar control unit as follows:

- Deactivate the SD card in the Running Time menu.
- The SD card icon disappears from the display, the SD memory card is deactivated (switched off) and can now be removed from the solar control unit.
- The current system parameters are saved to the SD card when it is deactivated.

### 3. Save current system parameters from solar control unit to an SD card

#### Brief instruction for the solar control unit

##### Option 1, SD card is already activated in the solar control unit:

- Deactivate the SD card in the Running Time menu.
- The SD card icon disappears from the display, the SD memory card is deactivated and can now be removed from the solar control unit.

**Note:** The current system parameters and the operating data saved during the period of continuous SD card activation are now saved on the SD card.

##### Option 2, there is no SD card in the solar control unit:

- Push the SD card into the card slot on the solar control unit.
- Activate the SD card in the Running Time menu. Confirm software update with NO.
- The SD card icon appears on the display and indicates that the SD memory card is activated.
- Deactivate the SD card in the Running Time menu. The current system parameters are saved to the SD card from the solar control unit.
- The SD card icon disappears from the display, the SD memory card is deactivated and can now be removed from the solar control unit.

**Note:** The current system parameters are now saved to the SD card. The operating data are not saved to the SD card. These data can only be saved to an SD card continuously activated in the solar control unit.

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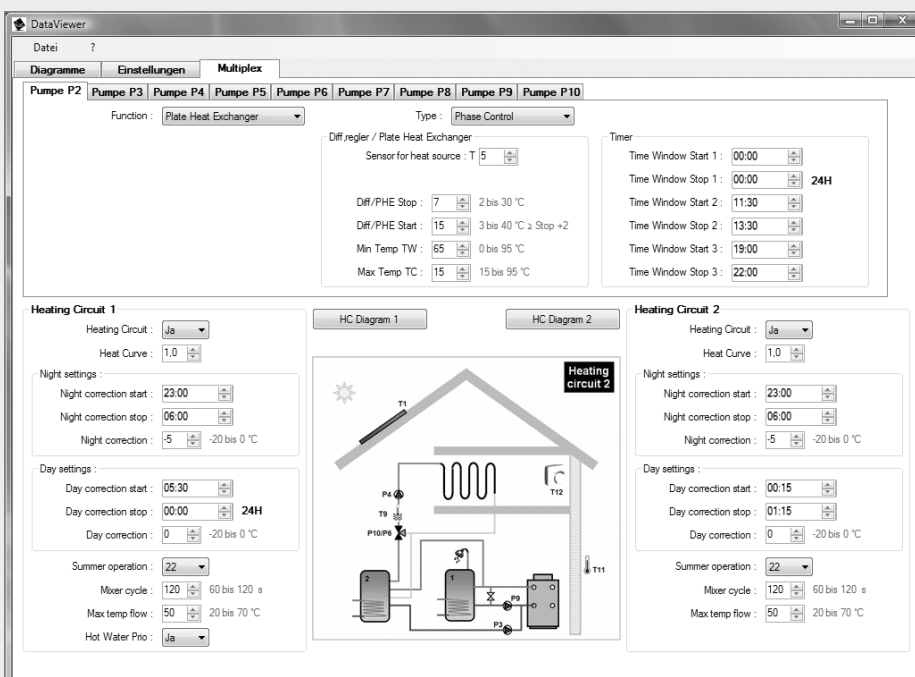
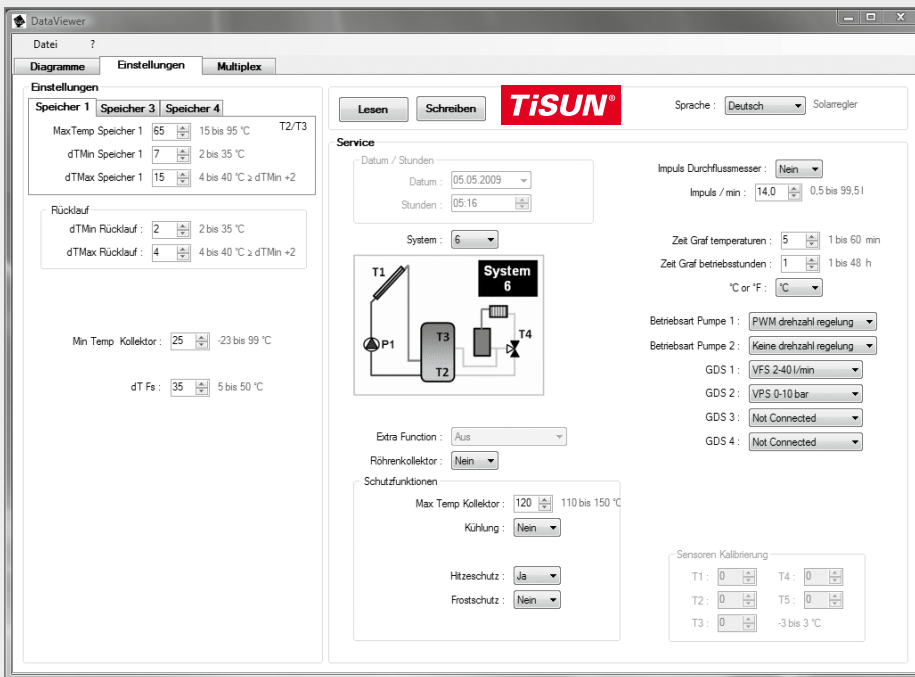
### 4. Check system parameters saved on SD card on the PC

#### Brief instruction for the solar control unit

- Save system parameters from solar control unit to an SD card.
- Deactivate the SD card in the Running Time menu. The system parameters are saved to the SD card.
- The SD card icon disappears from the display, the SD memory card can now be removed from the solarcontrol unit.

#### Brief instruction for the PC

- Transferring data from the SD card to a PC and starting the software (DataViewer.exe).
- Check the current system parameters in DataViewer and correct where necessary.



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### 5. Permanent recording of operating data on an SD card

- An activated SD card, continuously integrated in the solar control unit is required to permanently record operating data such as energy yield, running time, sensor temperatures, pumps and flow rates to an SD card and evaluate them on a PC.
- It is not necessary to permanently record data to export the current system parameters to an SD card

#### Brief instruction for the solar control unit

- Push the empty SD card into the card slot on the solar control unit.
- Activate the SD card in the Running Time menu.
- The SD card icon appears on the display and indicates that the SD memory card is activated.
- Operating data such as energy yield, running time, sensor temperatures, pump speed, and control cycles and flow are now permanently recorded to the activated SD card for its entire activated period.

**Tip:** Energy yield, operating and temperature history can also be read directly from the display of the Duplex solar control unit.

### 6. Operating data, system monitoring and energy balance on the PC

Permanent recording of operating data to an SD card necessary (continuously activated SD card in the solar control unit).

#### Brief instruction for the solar control unit

- Permanent recording of operating data on an SD card.
- Deactivate the SD card in the Running Time menu. The operating data and current system parameters are saved to the SD card from the solar control unit.
- The SD card icon disappears from the display, the SD memory card can now be removed from the solar control unit.

#### Brief instruction for the PC

- Transferring data from the SD card to a PC and starting the software (DataViewer.exe).
- The operating data and system parameters can be inspected and evaluated in the DataViewer.

