



OFFLINE DATA LOGGER

Digital logging of the operating data of systems without field communication infrastructure

AREAS OF USE | APPLICATIONS

- Can be used in any industry where measured values need to be recorded manually
- In small offline systems: recording of energy, water, consumption metres
- In automated systems: recording of laboratory values
- Developed in collaboration with ZWA Hainichen

PRODUCT DESCRIPTION

At present, various systems and measuring points cannot be equipped with networked automation technology. As a result, far-range remote value recording is not possible. This is where the Offline Data Logger (ODS) comes in to assist you. The ODS is designed for the easy and convenient logging of

measured values and it replaces handwritten notes. First, the system is conveniently identified by a QR code and then its measured values are displayed in a touch-optimised user interface. The user can enter and save current or time-delayed measured values in this interface. In addition, archive values for each data point are displayed graphically and in tabular form. The user is supported by an archive-supported (offline) plausibility check during input, which informs him about system problems. This check can be maintained, optimised and extended by the customer in an Excel configuration file. Excel formulae can also be used to generate complex links between different data points and dynamic message texts. The measured values that are stored are later synchronised with the server as a csv file when the network connection is established and automatically entered into the database by the wks UDIS software. A database excerpt is then created with the measured values from the previous day and synchronised with all tablets.



SOFTWARE ENVIRONMENT

- Windows-based application
- Can be used as a standalone solution or in conjunction with third-party programs (e.g., UDIS, SCADA)
- Tablets are identical (except for the computer name and IP) → one tablet is set up and the system is mirrored on the other tablets
- The tablet can also be used for other purposes (ODS, Kanio, Lovion, Office, ...)
- Guarantee of system integrity due to the Windows Group Policy, for example, managing of approved settings, programs, network connections,...
- Data synchronisation is possible via the Windows Task Management → customisable copy jobs → no additional software required

ADVANTAGES

- Quick logging of offline measured values
- Error-susceptible handwritten notes are no longer necessary
- Offline plausibility check on-site → prevention of repeated visits
- Automatic data maintenance in the SCADA V10 database → prompt availability of data for the operating log and energy management
- Powerful, customisable analysis functions
- Minimum effort for setting up tablets

