

Data Acquisition & Remote Control Software

DAT 3810

The data acquisition and remote control software DAT 3810 offers a comprehensive solution for controlling, executing, and evaluating testing processes – for both standalone devices and customized test systems.

- Suitable for all SPS electronic device types with an interface
- Operating system: Windows (latest version)
- Barcode filter: Article number, Device, Serial number, Comment
- Remote control via: Ethernet, USB, RS-232
- Languages: DE, EN, CN, FR, DN, IT, PL, RUS, ES, CZ, TK, HUN

The data acquisition and remote control software DAT 3810 offers a comprehensive solution for controlling, executing, and evaluating testing processes – for both standalone devices and customized test systems.

1. Create – Intuitive Test Program Creation

In editor mode, various test programs can be intuitively created and flexibly adapted to the desired test methods and time sequences:

- Easy creation of complex test sequences using mouse and keyboard
- Free design of the test sequence within the programs
- Clear representation of programmed test methods, such as: Continuity test, Protective conductor test, High voltage test, etc.
- Storage of an unlimited number of programs on the hard drive or network: XML format, ACCESS database, SQL database
- Password protection

2. Parameterization – Flexible Adjustment of Test Methods

The parameters within the individual test methods can also be adjusted as needed:

- Complete and simple parameterization of individual test methods, e.g., for high voltage test: Test time, Ramp time, Test voltage, Trip current, etc.
- Through program branching, the further test sequence can be controlled depending on the result of the test step.
- Text and image display steps to guide the tester or request additional information

3. Testing – Efficient Execution of Tests

Once the desired test sequence has been defined, the testing process can be started:

In the "TESTING" module, the selected sequence of the current test program is displayed. During the current test step, the results are displayed, along with the progress of completed steps. A manual single-step mode facilitates troubleshooting in complex tests.

- Large PASS / FAIL display

4. Results – Comprehensive Evaluation & Documentation

The results can be easily analyzed, stored, and further processed: To enable seamless proof of testing, the test results are saved together with the measured values in XM

L format, ACCESS database, or SQL database. Thus, easy further processing in external programs is ensured.

- Statistics function with extensive selection criteria
- Full-text search
- Test reports can be printed or saved as PDFs

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Structure	Operating System Operation User Levels Barcode Filter Remote Control via Languages	Windows 11 Intuitive and easy, freely programmable Password protected user hierarchy Article number, device, serial number, note Ethernet, USB, RS-232 DE, EN, FR, IT, NL, CZ, PL, TR, CN, ES, HUN, RUS
Optional	Code Library Data Acquisition Software Software for Visulation Label designer	DLL 3810 DAT Collect 38 DAT Visual 38 LBD 18