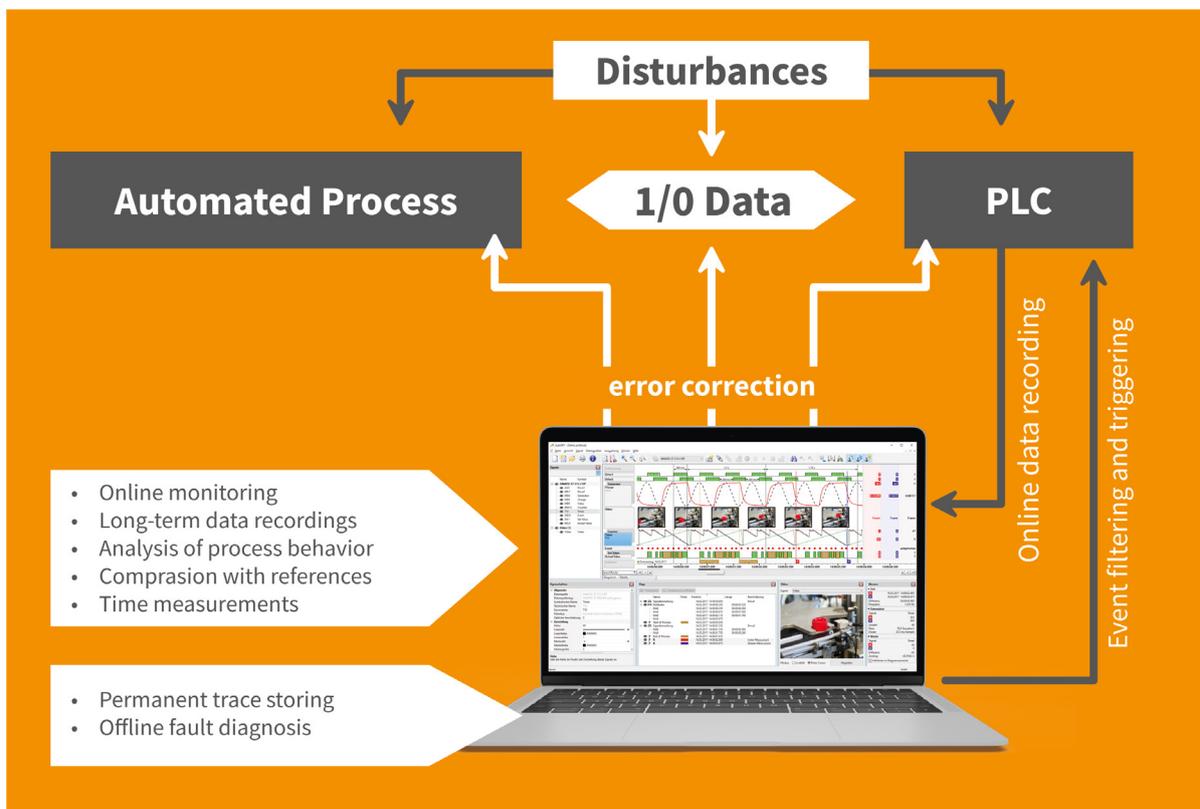




Signal Recording, Analysis and Error Diagnosis for PLC Applications

Disturbances may have bad impact on your automated process, the controller (PLC) or the I/O data communicated between them. Use AutoSPY Analyzer to monitor all relevant signals online, archive them in long-term recordings and find interesting process periods by event filtering and triggering. Compare with reference traces, measure significant times and search for violations of specification in offline mode to easier detect and correct errors and thus improve your process maintenance.





- Diagnosis of rare, sporadic faults during the development, commissioning or operation of control and automation technology



- Measurement of times or process parameters
- Setting and optimizing control loops



- Logging of event sequences, processes
- Creation of up-to-date system documentation

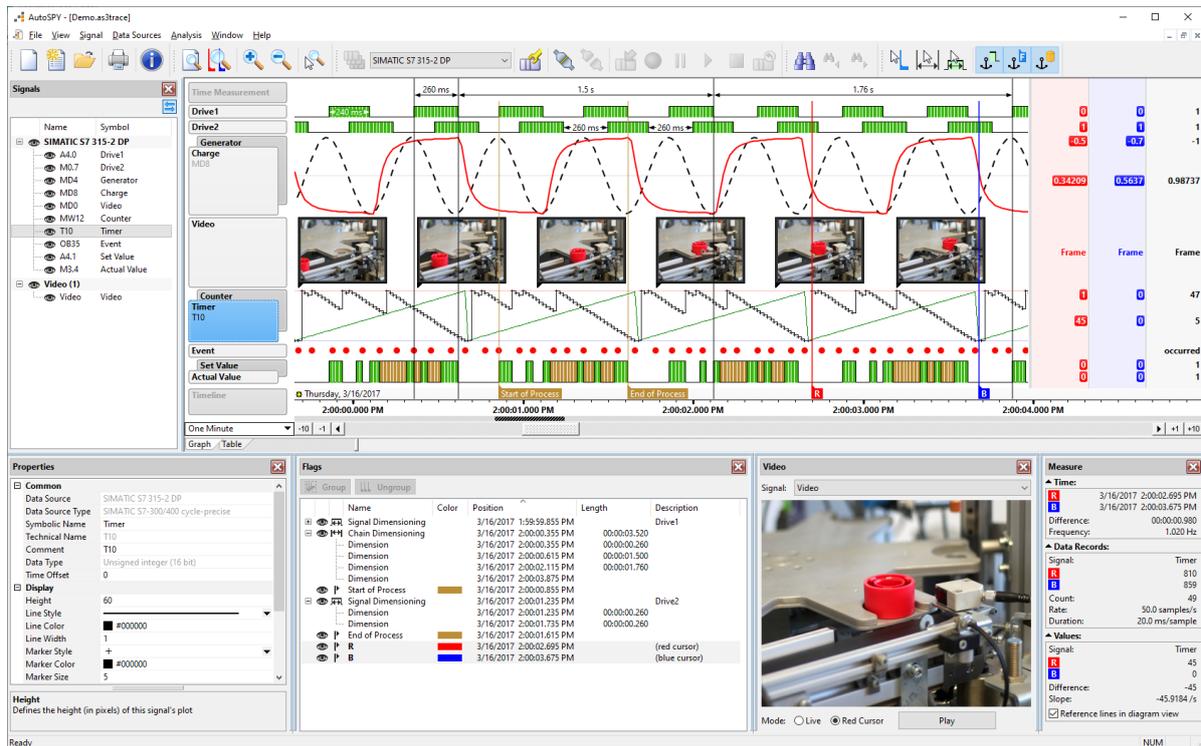


- Visualization of complex relationships
- Test and validation of control software

AutoSPY is a powerful and versatile tool for monitoring and diagnosing automated installations. Various device drivers enable the software to record process data from different sources like PLCs, OPC servers, cameras or fieldbuses. Electrical signals can be logged directly by using the A/D measuring device LabJack. Numerous analyzing functions help finding, marking and describing important events in the signal data.

See the most important features of the AutoSPY Analyzer at a glance:

- ✓ records multiple data sources (e. g. PLCs) per document simultaneously
- ✓ displays signal data in individual graphical or tabular form, even while recording
- ✓ shows video signals as a line of thumbnails or in a video toolbox with playback capability
- ✓ can overlay signals in graph view for easier comparing different measured variables
- ✓ special hierarchical navigation bar for easy trace scrolling even in long recordings
- ✓ flags for marking and describing important process events in the trace
- ✓ cursors for measuring times and amplitudes, functions for time span dimensioning
- ✓ concatenated search conditions for finding particular states, edges or thresholds
- ✓ user-defined Visual Basic Scripts for running automated, complex data analyses
- ✓ comfortable printing function for generating documentation from signal traces
- ✓ import and export filters for exchanging data with other applications, e. g. MS Excel
- ✓ free standalone viewer software for viewing, marking and measuring AutoSPY traces
- ✓ user interface available in German and English



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AutoSPY provides **device drivers** for these data sources:

- ✓ PLCs SIMATIC S7-1200/1500 (polling-precise)
- ✓ PLCs SIMATIC S7-300/400 (cycle- and polling-precise)
- ✓ PLCs SIMATIC S5 (cycle-precise)
- ✓ A/D measuring device LabJack U12
- ✓ Cameras for video capturing
- ✓ OPC servers (OPC Unified Architecture and Data Access)
- ✓ Protocol converters UNIGATE CL

Please find a fully functioning demo version for download on our website and benefit from AutoSPY today.