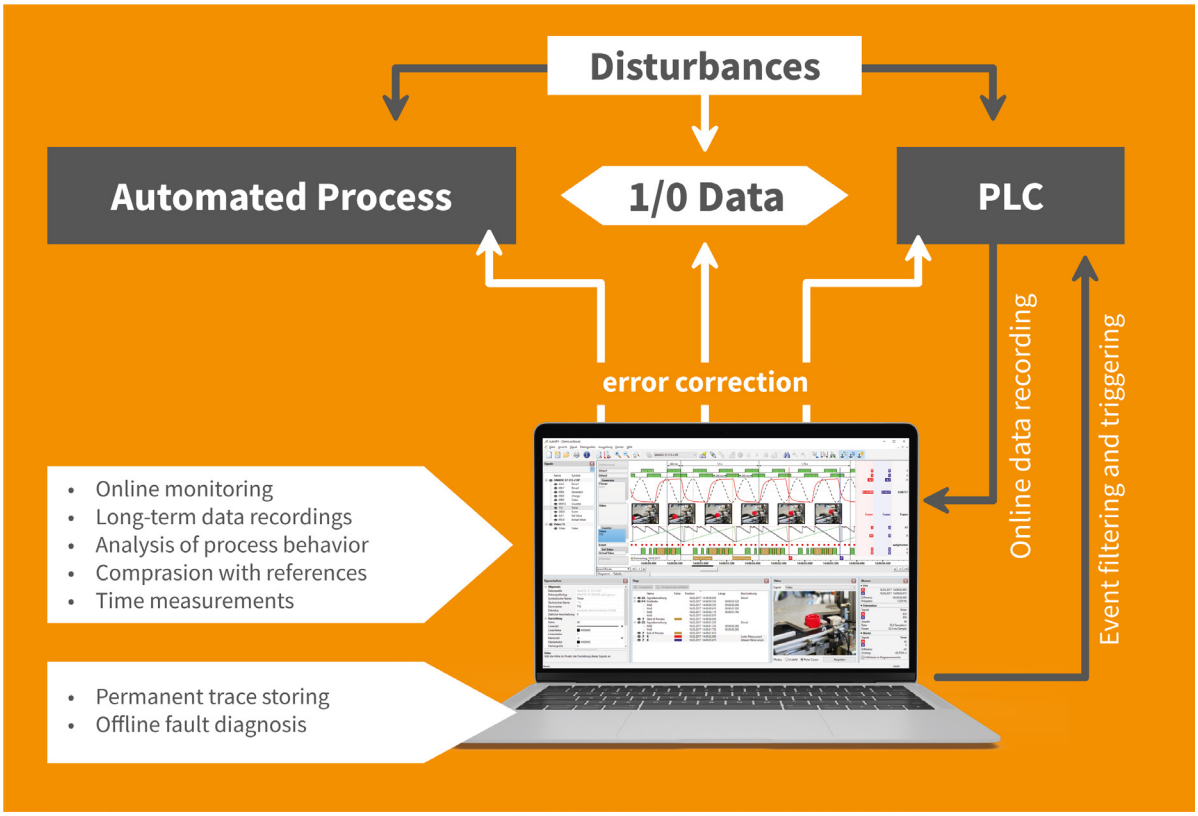
auto.spy analyzer

Signal Recording, Analysis and Error Diagnosis for PLC Applications

Disturbances may have serious impact on your automated process, the controller (PLC) or the I/O data communicated between them. Use auto.spy 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.



tracetronic GmbH, Stuttgarter Str. 3, 01189 Dresden, Germany
Tel. +49 351 205768-555 • Fax +49 351 205768-999 • info@autospy.de • www.autospy.de

auto.spy 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 or cameras. 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.



- Diagnosis of rare, sporadic malfunctions during development, commissioning or operation of control and automation systems



- Measuring times or process parameters
- Adjusting and optimizing control loops



- Logging of event sequences and processes
- Creating up-to-date system documentation

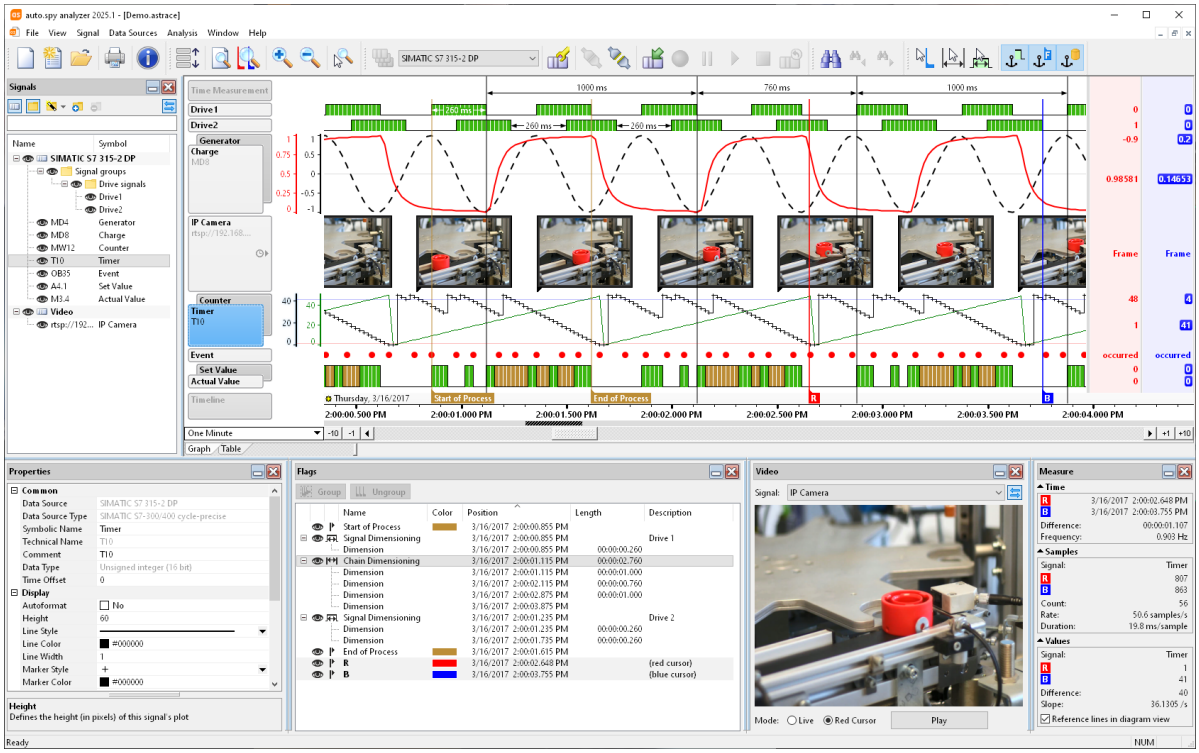


- Visualization of complex correlations
- Testing and validation of control software

See the most important features of the auto.spy analyzer at a glance:

- ✓ Record multiple data sources (e. g. PLCs) per document simultaneously
- ✓ Display signal data in individual graphical or tabular form, even while recording
- ✓ Show video signals as a line of thumbnails or in a video toolbox with playback capability
- ✓ Arrange signals in a stack (one upon the other) in graph view for easy comparison
- ✓ Hierarchical trace navigation for very long recordings with large amounts of data
- ✓ Avoid wasteful data dumps by selectively removing document contents
- ✓ Flags for marking and describing important process events in the trace
- ✓ Cursors for measuring times and amplitudes, functions for time span dimensioning
- ✓ Search function for finding particular states, edges or threshold violations
- ✓ User-defined Visual Basic Scripts for running automated, complex data analyses
- ✓ Import and export filters for exchanging data with other applications
- ✓ Create images of graphical signal waveforms and save them as image files
- ✓ Free standalone viewer software for viewing, marking and measuring trace documents
- ✓ User interface available in German and English

© tracetronic GmbH



auto.spy provides **device drivers** for these data sources:

- ✓ PLCs SIMATIC S7-1200/1500 (cycle- and 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)

A fully functional demo version is available for download on our website.