



Automation & Testing Suite

for embedded software | AUTOSAR-compatible



ATS is a testing tool for automotive software with full support of AUTOSAR. A variety of possible tests can run without real hardware. The reliable user interface allows to define test scenarios and test cases, which also can be generated automatically up to ASIL-D.



ATS can call functions, stimulate input variables and check for the expected results. All signal analyses can be graphically shown.

Individual source and test code generation is supported by writing JavaScript-like extensions.



In combination, ATS is using CanEasy to run the tests (black-box & white-box) on real hardware. The benefits of both tools together enable a high automated test coverage that includes the target system.

ATS creates reports based on the test results in HTML and PDF formats.

Features in detail:

- Requirement coverage
- Statistical data of the results in complex logs
- Test code export with syntax highlighting
- Plot generation for a variety of signals, messages and variables

This tool is also available for CI/CD continuous testing in automated mode [f.ex Jenkins].

Analysis of all test coverage levels up to MC/DC and MCC coverage are possible.

Suitable for safety-critical developments:

- DO-178C (DAL A, DAL B, DAL C, ...)
- ISO 26262 (ASIL A, ASIL B, ASIL C, ASIL D)
- IEC 61508 (SIL 1, SIL 2, SIL 3, SIL 4)
- EN 50128 (SIL 0, SIL 1, SIL 2, SIL 3, SIL 4)
- IEC 60880
- IEC/EN 62304s



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