

# TestToolkit

## Libraries for test automation

### Tool connection and interfaces

- dSPACE ControlDesk, RTP/XIL test bench
- Gamma V
- CANape (CCP/XCP, bus, diagnosis)
- Customer-specific expansions are possible

### Variable abstraction

- Abstraction of tool-specific interfaces
- General access via get()/set()
- Meta data (unit, description, value table, ...) can also be recorded.
- Tool-dependent special functions can still be used (at the expense of portability)

### Test functions

- Basic test functions for comparison and evaluation
- Functions for the evaluation of recorded measurement data
- Functions for bus/interface tests (signal tests, E2E)

The screenshot displays the TestToolkit documentation interface. The title is "TestToolkit" with the subtitle "TestToolkit – Test functions and utilities". The navigation bar includes "Main Page", "Packages", "Classes", and "Files", along with a search box. The left sidebar shows a tree view of the documentation structure, including "Packages" (ttk\_base, ttk\_bus, ttk\_checks, ttk\_daq, ttk\_tools), "Package Functions", "Classes" (ttk\_base, \_values\_base, \_variables\_base, configuration, errors, localization, values\_base, variables\_base, ttk\_bus, ttk\_checks, ttk\_daq, ttk\_tools), "Class Hierarchy", and "Class Members". The main content area is titled "iSyst TestToolkit Documentation" and contains an "Introduction" section stating that the TestToolkit (short: TTK) contains functions and utilities for test automatization. It also features an "Overview of Packages" section with sub-sections for "ttk\_base – Base Definitions", "ttk\_checks – Basic Check and Test Functions", "ttk\_bus – Bus/Interface Test Functions", "ttk\_daq – Data Acquisition Utilities", and "ttk\_tools – Test Tool Interfaces". Each sub-section provides a brief description of the package's purpose and dependencies. The footer of the page indicates it was generated on Fri Dec 18 2015 18:56:27 for TestToolkit by doxygen 1.8.1.2.



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