



M-JVIS, M-JSYS Tool Library

M-JVIS and M-JSYS are libraries for creation of visualizations under Java that can be used platform-independently on Java-capable devices. The components are based on Java version 1.1.8. This version is supported by the VM (virtual machine) from Bachmann electronic.

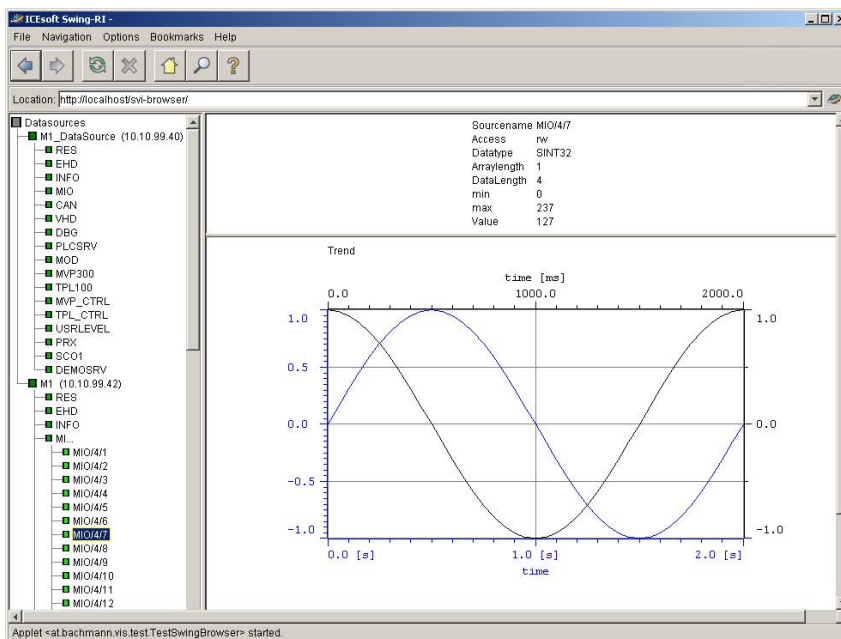
M-JVIS consists of the following packages:

- M-JVIS / DACC
- M-JVIS / UTIL
- M-JVIS / GUI

The packages are divided into two types of classes:

- Configuration classes that are implemented in the form of beans
- Runtime classes that allow a dynamic configuration and during runtime handle the management or presentation of the data

The configurations of all objects are stored in XML files.



M-JVIS / DACC

The M-JVIS / DACC package manages process variables and their values (DACC = Data Access).

M-JVIS / DACC consists of the following components:

- Process variable management
- Recipe management
- Unit switchover
- Communication interface

M-JVIS / UTIL

The M-JVIS / UTIL package consists of the following components:

- Language management / language switchover
- Protocols
- Alarm handling
- Quality table / statistical process control

M-JVIS / GUI

The M-JVIS / GUI contains the graphic components. The graphic components are based on AWT.

M-JVIS / GUI consists of the following components:

- XY diagram
- Table
- Tree view
- Screen keyboard
- Input fields
- Button

M-JSYS

The M-JSYS package allows general access to the control system.

- Read-out and change of the controller configuration
- RPCs for control
- Access to system software modules

