ActiveX Toolkit

Tool for the visualisation of data from Bender systems for use in MS Excel format

ActiveX Toolkit

Device features

- Cost-effective visualisation
- A selection of Excel templates
- Display of alarms in tabular form
- Measured values are stored
- Using diagrams for the graphical representation and evaluation
- Flexible, expandable, adaptable
- Developments and solutions in custom designs
- Basis for your specific application

Product description

The ActiveX Toolkit allow the visualisation of Bender systems utilising a BMS interface on commonly used PCs using Active-X-capable application programs. The OPC server of the FTC470XET or the BMS OPC server is required to be used as a gateway.

The ActiveX control element, a component of the toolkit, contains an OPC client which receives the data of the BMS system through the gateway. The data is made available to the ActiveX interface of the Windows operating system. In this way, all ActiveX-capable application programs are capable of representing the data.

The ActiveX Toolkit includes Microsoft Excel application examples for typical Bender systems. These examples can be edited by the user to meet the application-specific requirements. Our service offers the creation of customer-specific representation in Excel on request.

Preconditions for the use of ActiveX Toolkit

The ActiveX Toolkit requires a commonly used PC running under the operating systems Windows NT, Windows 2000 or Windows XP. For displaying Bender templates, Microsoft Excel version 2000 has to be installed.

An experienced software engineer is capable of visualising data from Bender systems with the ActiveX Toolkit also in other Windows application programs. These can be, for example, the Internet Explorer, Active Server Pages or own programs in Visual Basic or C++.

Communication structure

Suitable data sources are the Bender OPC server of the FTC470XET and the BMS OPC server.

Protocol converter/web server FTC470XET:

Alarms and measured values from Bender systems are passed to the internal OPC server which makes them available as OPC items. The ActiveX Toolkit installed on the PC contains an OPC client which receives the data from the OPC server and makes them available to the ActiveX interface. That allows application-specific representation of data in an MS Excel template.

BMS OPC server:
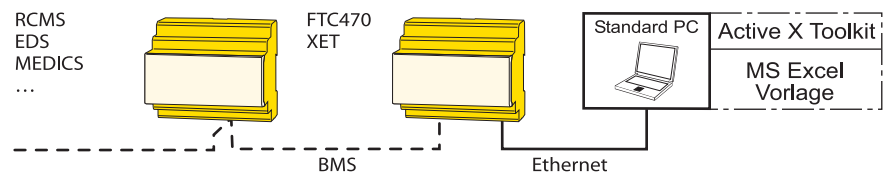
The BMS OPC server is installed on a PC as software and connected to the Bender system via the DI-2 interface converter. Controlled by a configuration file, the OPC server only provides alarms from the external bus of the Bender system as OPC items. The ActiveX Toolkit installed on the PC contains an OPC client which receives the data from the OPC server and makes them available to the ActiveX interface. That allows application-specific representation of data in an MS Excel template.

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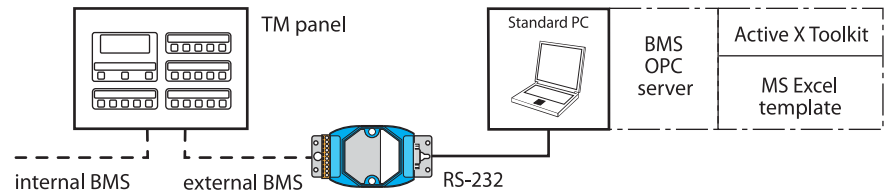
Programming check list

The ActiveX Toolkit enables the experienced user to create his own applications in Excel (or other Active-X-capable programs) based on the Excel templates.

The Bender Service Department will guide you through each project phase starting from the first planning to the creation of customer-specific applications. The most important questions to be answered:

- Internal or external BMS bus
- Number and type of all connected BMS-capable Bender devices
- Bender device address assignment
- Selection of the appropriate OPC server
- Configuration of the OPC server, if required
- Selection of the PC and the appropriate operating system
- Design of data representation
- Determination of suitable additional components, such as hubs or switches and cables
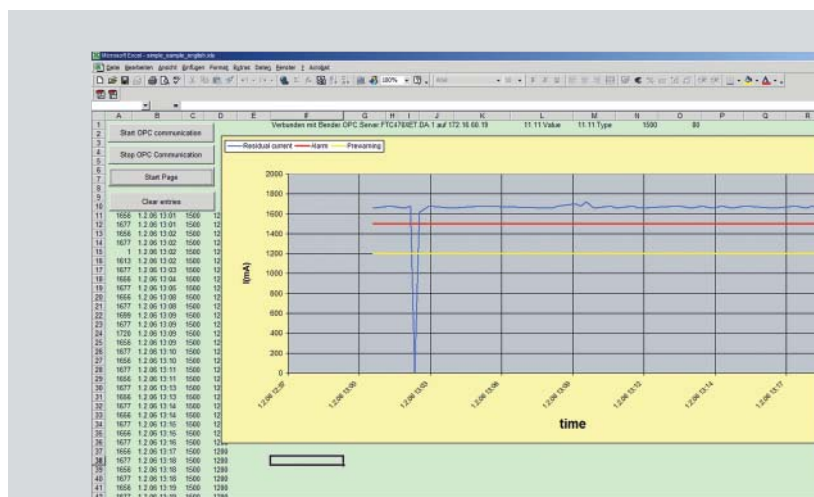- Design of an application-specific representation
- Price calculation

Ordering information

Type	Art. No.
ActiveX Toolkit	B 9507 0002
Scope of delivery:	CD, examples for RCMS, EDS, MEDICS® systems, operating manual
System requirements:	Windows 2000, XP, MS-Excel 2000 or higher

Typical display
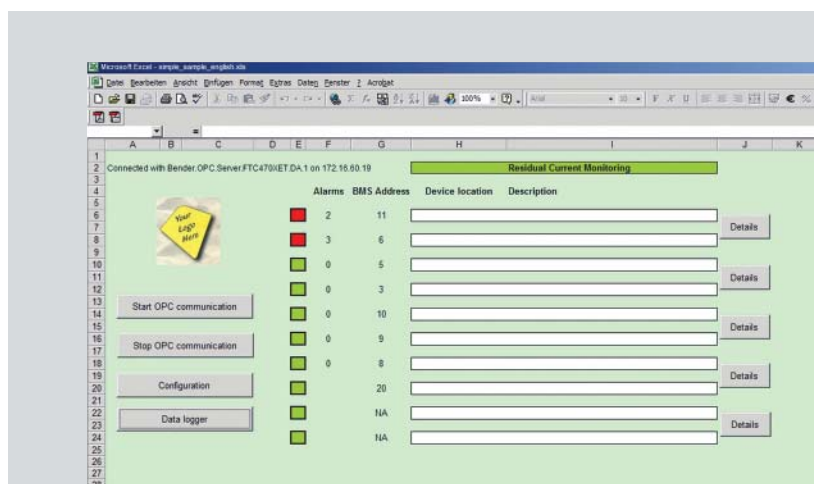
Presentation of a central alarm acquisition

Presentation of a measured value graph

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