

## AMR WinControl – Overview of new functions in Version 6.x

### ... for connection of measurement devices

- Re-designed user interface improves usability
- TCP/IP connections available in Light version and higher
- Parallel use of ALMEMO<sup>®</sup> V5 and V6 devices without additional settings
- Comfortable setup and management of multiple connections
- Use several connections without AMR2ips, at the same time
- Parallel use of several communication protocols

### ... for communication with measurement devices

- ALMEMO<sup>®</sup> V6 Protocol with CRC
- Additional optional protocols:
  - Automatic Download from ALMEMO<sup>®</sup> Device Memory
  - Simple ASCII Protocol
  - CTS / ITC Protocol (Weiss Environmental Simulation Systems)
  - VIT / ASCII-2 Protocol (Weiss Environmental Simulation Systems)
  - Dew Point Mirror 373 (MBW calibration)
  - FKS Protocol (Feutron Climatological Simulation)
  - MRU Nova Protocol (Gasanalysis)
  - Simeas-T Protocol
  - AMR Data Server Protocol (WinControl Client)
  - LQS Protocol (Liquisonic)
  - OPC Import Protocol (OPC Client)
  - X-Stream X2 Protocol (Emerson Gasanalyzers)

### ... for processing of measured data

- Simplification by redesigned properties dialog of Line- and X/Y-diagrams.
- Configurable standard directories for important functions using a comfortable menu option.
- New fmod(...) function to get the modulo in a calculation channel.
- Extended merging of data:
  - Merge of whole directories.
  - Filtering by file name, time period and measurement channels possible.
  - Detailed status report

### ... Audit Trail / Event Log

- Save and load using encrypted binary file format (\*.amrevt).
- Export as XML file.
- Sending via email out of AMR WinControl.

### ... for use with Windows 7 and Windows Vista

- Full compatibility to Windows 7 and Windows Vista.
- AMR WinControl 6.x supports the optional hardware copy protection (hardlock).
- Applicable with 64-bit operating systems.

### ... for presentation of measured data

- Enhanced visualization for statistics table in Line Diagrams.
- Line Diagram comments with more than 256 characters and User-defined font size for Line Diagrams.
- One way logarithmic visualization.
- Display of local mini- and maximums using a customizable analysis function in Line Diagrams.
- Adjustable zoom factor for print outs of data tables.
- Load and display measurement data from (optional) data history on program start.

### ... for import and export of data

- Import and download of data with high resolution (millisecond).
- AMR WinControl Excel connections supports Excel 2007.

## Optional available extensions

### Automatic Download from ALMEMO® Device Memory:

- Fully automatic operation via scheduled-planned establishment of a connection.
- (Optional) automatic deletions of the internal device memory after successful data download.
- (Optional) automatic restart of the autonomous cyclic data storage inside the data logger.
- Automatic disconnect and documentation of the process in the event log.

### Heat quantity calculation:

- Use a comfortable assistant to create a Line Diagram, which displays the heat quantity flowing through any system. Only the in- and output temperatures (°C) as well as the flow rate (l/h) are required.
- It is possible to calculate the heat quantity for previously recorded and for current data.

### Export to an OPC Server

- Export any measurement and calculation channel of AMR WinControl to variables of different OPC servers in the network, using the current OPC DA 2.05 and 3.0 standards.
- Current values can be exported to a variable of an OPC server. These OPC variables are highly re-usable, e.g. export of data to LabView®. But the handling of the OPX export is as easy as an Excel connection.

### Version V / Monitoring:

- Extended Event Log:
  - Automatic printing of the event log possible, if Autosave completes a file.
  - Show and hide of event log parts.
  - Sort by time, message type or measurement channel.
- Automatic Backup: If Autosave has finished writing a data file, it is possible to copy the file to another place (e.g. local network).
- System Configuration:
  - Save the current system configuration (measuring devices, channels, limit values and calculation channels).
  - The software can automatically compare the current system properties with the stored system configuration if the program starts.
  - Alarm and documentation in event log if differences are detected.