



Dream Report 3.30

Release Notes



Version: 3.30 release

Build: 3.30.30.0422

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Summary of New Functionality:

- New statistical object. [Automatic Statistical Table](#).
- Designer studio. New module - [Object Locator](#)
- Data logger. [Support of milliseconds](#) with tunable timestamp resolution
- Report settings. Completed integration of [Excel reports](#) into report distribution system
- First automated integrated KPI - [Mean Kinetic Temperature](#)
- Result representation as [Bar Code](#) for Single Data, Expression and Compound Objects
- Result representation as [Time interval](#) for Single Data, Expression and Compound
- Charts: Displayed [value filtering by deviation](#) and [display of relative time](#) on X scale
- Bar Graphs: [Flexible Y scale settings](#) definition and display of [new statistical function Sum](#).
- Time period definition in statistical objects - more flexible options to define time period
- Expression object: Possibility to make [calculations with timestamp or duration](#) value types.
- Step Table: Possibility to display a [table in horizontal orientation](#).
- Item Table: Possibility to display a [table in horizontal orientation](#).
- Alarm Table: 2 New calculated columns - Alarm Duration Time and Alarm Response Time
- Alarm Table: Advanced SQL condition can be applied to Alarm table now for advanced filtering
- Data logger. Tunable support of logged data [timestamp format](#) - Local or GMT time format
- Dynamic Report Generator: [User Management is enabled](#) in Dynamic Report Generator
- SQL table: command [SELECT *](#) is now supported in SQL table
- ODBC Driver: Support of database [timestamp in GMT format](#) and tunable support of [various date formats](#)
- CSV Driver: Support for data and alarms.
- New driver: [SNMP driver](#)
- New driver: [Native BACnet](#) driver and Complete BACnet Integration
- Support for Windows Vista



Brief Description of new functionality:

(for more details, please, refer to [Dream Report](#) help documentation)

[New Statistical Object - Automatic Statistical Table](#)

Automatic Statistical Table (AST) is a new statistical objects, which allows project developer to make faster project engineering and project maintenance, develop a table in few clicks and then modify it if necessary in few clicks as well. User has to select a list of items, list of statistical functions, which have to be applied to those items, global time period and click OK - a complete table with relevant data cells will be built automatically.

[Designer Studio - Object Locator](#)

Dream Report Designer Studio has a new section, located below list of reports, in the left bottom section of report designer studio. This section enables you to easily locate any of your statistical objects. In this section you can see the list of all object types, existing in actual report. When expanding specific object type, you get a list of names of all objects of that type, existing in your report. Double click on any object will allow you to locate that object in report designer (it will become selected) or right-click on object will allow you to edit its configuration.

[Support of Milliseconds in Data and Alarm Logger](#)

User can define data logging with millisecond resolution. Resolution precision is configurable (e.g. 100 msec, 500 msec etc.). If values, displayed in item table include msec - then milliseconds will be displayed as a part of timestamp as well.

[Completed Integration of Excel Reports Into Report Distribution System](#)

Dream Report 3.30 provides users equal control automated report distribution (printing, sending by email) for PDF and Excel reports. Now Excel reports can be automatically printed and sent by email. Also, for each separate Excel report definition, user can use separate formatted Excel file template.

[First Integrated KPI - Mean Kinetic Temperature \(MKT\)](#)

Dream Report has new integrated calculation of one of most known and used Key Performance Indicators – Mean Kinetic Temperature. Complex calculation of this KPI is fully automated in Single Data Objects and is easy to use.

[Single Data, Compound and Expression Objects: Result Representation as a Bar code](#)

Result representation for simple textual objects (Single Data, Compound, and Expression Objects) has now 1 more new option - display result as bar code. User has also selection of several bar code formats, available for use.

[Charts: Displayed Value Filtering by Deviation. Display of Relative Time on X Scale](#)

Charts have new option - not to display all available values, but to display values, filtered by deviation filter – define minimum deviation between displayed values in % or in raw units. Timestamp on X scale of charts can display now also relative time (0 point as start of chart window and then display hh:mm:ss since starting point of actual chart window)

[Bar Graphs: Flexible Definition of Y Scale Settings. New Statistical Function Sum](#)

Bar Graphs have flexible management of Y-scale limits. It has the same flexibility as is provided in Dream Report charts. Also, the list of available statistical functions has a new statistical function - Sum. It will calculate the sum of all values of specified item for specified group period and display it in a bar.

[Time Period Definition in Statistical Objects - More Flexible Options to Define Time Period](#)

Time period sections in all available statistical objects have new option in "Fixed" mode. It enables to set the end of Fixed period not in relative time and not to have is always as report generation time as it was before. It seriously increases flexibility of time period definition in Dream Report statistical objects.

[Expression Object - Possibility to Make Calculations with Timestamp or Duration Value Types](#)

In expression object in Dream Report it's now possible to make calculations with values in time format (timestamp or duration type). Now user can calculate durations or get timestamp of min/max values and make further calculations on results.



Step Table - Possibility to Display Step Table in Horizontal Orientation

Step table can have now 2 configurable orientations: Vertical orientation (like in previous Dream Report versions), where the table has horizontal column data definitions and expand data in rows vertically bottom-wise and now also Horizontal, where the table has vertical data raw definitions and expands data in columns horizontally to the right.

Item Table - Possibility to display Item Table in horizontal item orientation

New item table provides users capability when displaying several items in item table, to display each item in a separate column. Then Item Table will have one column for timestamp and a separate column for value of each item, defined for that table. This makes item table much more readable and usable when displaying multiple items.

Alarm Table - 2 New calculated columns - Alarm Duration Time and Alarm response Time

Alarm table provides to user 2 new available columns - Alarm duration time and response time. Alarm Duration Time is a difference between alarm start time and end time. Alarm Response Time is a difference between alarm start time and acknowledge time.

Licensing - USB HASP Hardware protection is available

Dream Report 3.30 provides users a USB hardware protection as an alternative way of Dream Report licensing protection. Software license is available on demand as well.

Licensing - New module - License Upgrade Tool (LUT)

Dream Report 3.30 introduces a new module for remote license upgrade. It enables users to upgrade existing license for any kind of options - number of items, web clients, period of validity, license type. User receives an upgrade file and opens it with the LUT.

Tunable Support of Logged Data Timestamp Format - Local or GMT Timestamp Format

Dream Report 3.30 enables user to select timestamp format for data logging: local time or GMT timestamp format. This timestamp format will be applied both for data and alarm logging.

Dynamic Report Generator is Protected by User Management

New Dynamic Report Generator is now protected by user management. If user management is enabled in Dream Report project, then on start of DRG, user will be prompted to enter username and password and then only authorized list of reports will be displayed.

SQLTable now Supports SELECT * Command

SQL Command SELECT * is now available in SQL table. In case if number and width of columns reaches the right edge of a page, it will be automatically expended below the table as a second or next level.

ODBC Driver - Support of GMT Timestamp Format and Tunable Support of Various Date Formats

New ODBC driver enables user to connect it to a database, where timestamp is not in local time, but in GMT format. ODBC driver then will automatically convert timestamps in data and alarm requests from local time to GMT and then also automatically convert all received data timestamps from GMT to local time format. Also, if date in a database has format different from standard SQL date format (YYYY-MMDD), user can select his date format from a wide list of available formats and then it will be automatically converted into appropriate format. UTC format (seconds since 1.01.1970) is supported as well.

CSV Driver - Support for Data and Alarm Collection

New CSV driver can automatically collect now data and also alarms from various CSV and other formatted text files.

Native BACnet Driver and Complete BACnet Integration

Dream Report 3.30 has integrated BACnet driver for BACnet data, alarms and history, which enables complete BACnet integration. With new BACnet driver, users can connect Dream Report to BACnet network and collect BACnet data from all available BACnet objects (excluding scheduler objects), get BACnet alarms and also directly access native BACnet history and make reports directly using historical data from BACnet devices.



SNMP Driver

New SNMP driver complies with SNMP standard 1.0 and 2.0. It provides automatic browse of network devices according to specified MIB file and then can collect available device data. It also provides support for SNMP traps.