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JUMO smartWARE Evaluation

Software for evaluating and visualizing process data from the JUMO variTRON system

Brief description

JUMO smartWARE Evaluation is intended for evaluating and visualizing process data from the JUMO variTRON system. The process data can be evaluated in customizable dashboards based on time or batch and transferred into reports (e.g. PDF, Excel®, CSV).

JUMO smartWARE · Evaluation



Easy-to-use evaluation

Browser-based process data evaluation via customizable dashboards

Run anywhere

Installation possible on Windows® desktop, server in Windows® or Linux environment

Process data overview

Fast navigation and dashboard selection based on intuitive device and plant overview

Batches at a glance

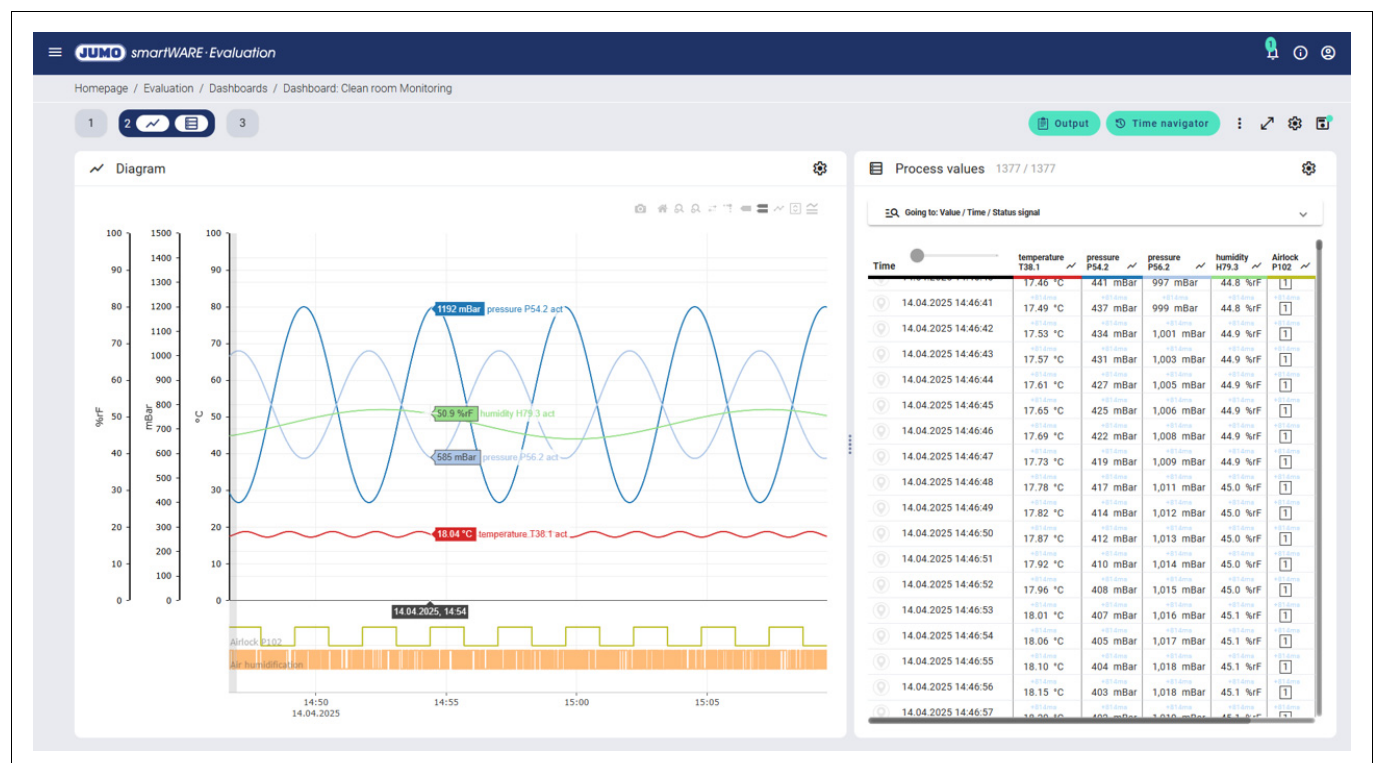
Batch evaluation spanning multiple plants

Effective access protection

Secure data transfer with manipulation detection

Cost efficiency

Cost savings for software administration, as maintenance is only required in one place



JUMO smartWARE Evaluation – evaluation

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System requirements

Supported operating systems

Windows®:

- Windows® 10 64-bit
- Windows® 11 64-bit
- Windows Server® 2019 64-bit

Linux:

- Ubuntu 22.04 64-bit
- Ubuntu 24.04 64-bit

Supported browsers

- Microsoft® Edge on Windows® (latest version)
- Google Chrome on Linux, Windows®, Mac (latest version)
- Mozilla Firefox on Linux, Windows® (latest version)
- Apple Safari on iOS (latest version)

Hardware

Minimum requirements:

- Quad core
- 8 GB RAM
- 250 GB SSD hard disk drive (memory capacity depends on the number of measuring channels to be recorded)

Recommended:

- Quad core
- 16 GB RAM
- 1 TB SSD hard disk drive

Docker (only for Linux operating system)

The Linux application is operated on a Docker system. Docker must be installed as a basis.

Linux:

- Internet connection
- Docker version 20.10.5 or higher
- Docker Compose version 1.28.5 or higher

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System description

The recorder app enables the JUMO variTRON system to record process-relevant data and save it in the internal device memory. The JUMO variTRON 500 and JUMO variTRON 500 touch offer the option of acquiring and saving up to 240 analog and digital signals in groups. This is up to 60 signals for the JUMO variTRON 300.

With the recorder app (extra code 276, as from system version 9), the recorded process data can be visualized both directly on the HMI of the JUMO variTRON 500 touch in the Recorder View and online via a browser (JUMO variTRON 500 and JUMO variTRON 500 touch) as a live recorder screen. 10 groups are available to the user for this, each with 8 analog and 8 digital channels.

The live view for the process data (Recorder View, as from system version 9) is available on the JUMO variTRON 500 and JUMO variTRON 500 touch. Process data recording and evaluation is possible with all JUMO variTRON systems.

The recorded process data can be transferred automatically to JUMO smartWARE Evaluation via HTTPS or manually using a USB flash drive.

The process data can be visualized and evaluated by the user in customizable dashboards. In addition to time-based data evaluation, targeted evaluation of batches is also possible. Individual reports (e.g. PDF, Excel®, CSV) can also be created for the recorded process data. Automatic sending by email is possible.



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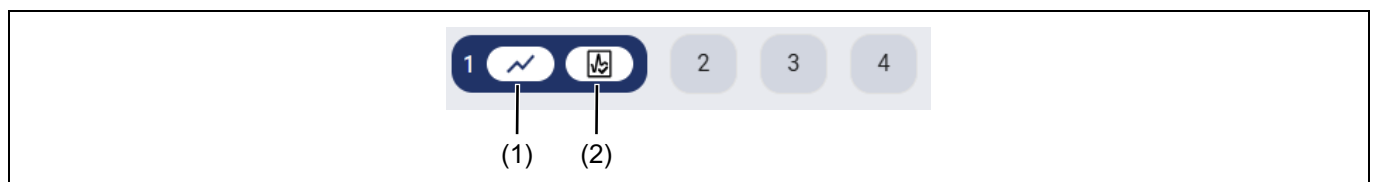
Process data evaluation

The process data can be easily and clearly visualized by the user in customizable dashboards. Among other things, the process values can also be evaluated by different JUMO variTRON devices in one dashboard.

The process data can be clearly visualized on multiple pages. The pages can be customized by the user here.

Example:

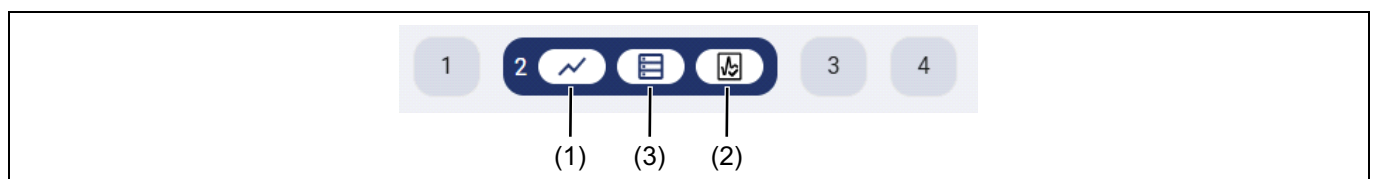
This dashboard consists of 4 pages. Page 1 contains the curve diagram of the process data (1) and the batch data (2).



When moving over the curve diagram with the mouse cursor, the live values from the individual channels including time stamp can be shown, meaning critical process parameters can be checked quickly and easily.



Page 2 also includes the list of process data (3).



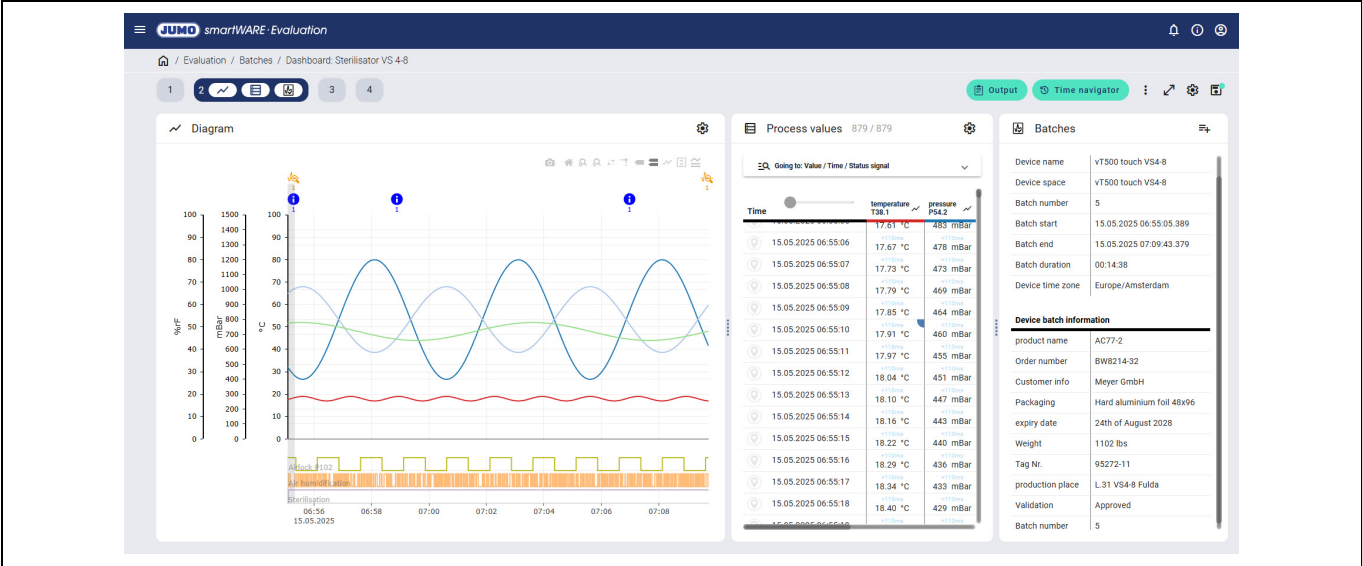
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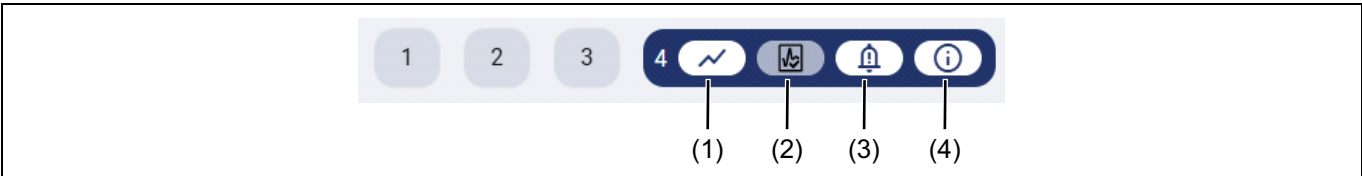
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All saved signals can be evaluated using the process value table. Useful filter and analysis functions simplify this process and offer significant benefits to the user.



Page 4 contains the curve diagram of the process data (1), the batch data (2), events (3) and information (4).



All alarms, events, faults and audit trail messages from the JUMO variTRON system are shown in the events. The events of the JUMO variTRON system can be searched through and filtered in this widget, e.g. by keywords or event types. The events are also visualized as an icon in the diagram.

The "Information" widget allows the user to specify and show additional information or notes about the recorded process data. In this example, the note "Temperatur over 19,00 °C" was entered as a warning. This information is now available to all users and is visualized and displayed accordingly in the diagram and the process value table.

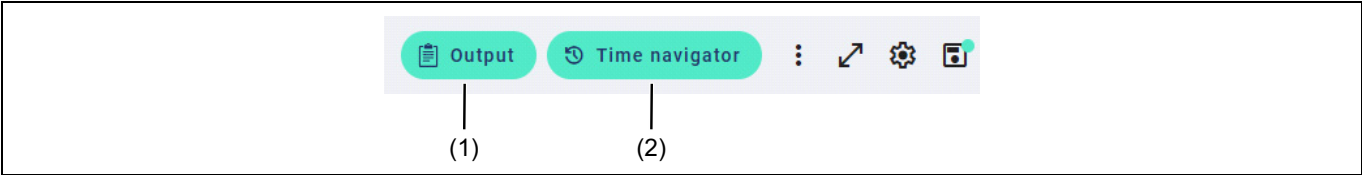
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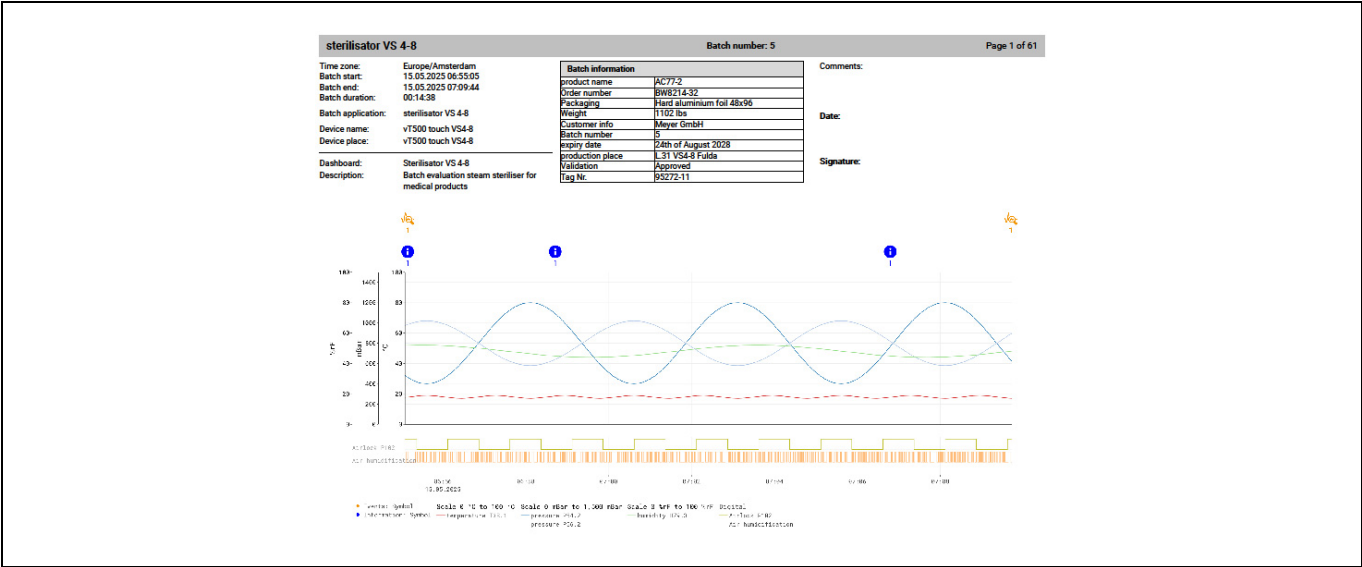
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Reports can be generated directly in the dashboard based on templates using the output function (1).
 The time navigator (2) allows the user to load process data and time ranges from the past and to evaluate these in the dashboard at any time.



In addition to manual output in the dashboard, automated reports can also be created which are saved in a separate report folder.



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Worth knowing

Test the solution quickly and easily

To do so, simply contact a JUMO contact person of your choice.

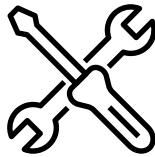
Do you need support?

If you need more information, simple explanations, training courses or support on the JUMO smartWARE Evaluation, there are a range of options available to you from JUMO.



JUMO Help Center

Detailed
documentation



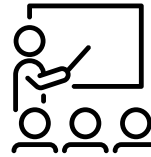
Technical Support

Questions and information



JUMO Engineering

Services



JUMO Campus

Training courses



YouTube channel

Explanatory videos

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Order details

(1)	Basic type
701840	JUMO smartWARE Evaluation
(2)	Number of signals
10	10 signals (XXS)
25	25 signals (XS)
50	50 signals (XS)
75	75 signals (XS)
100	100 signals (S)
250	250 signals (S)
500	500 signals (S)
750	750 signals (M)
1000	1000 signals (M)
1500	1500 signals (M)
(3)	Batch module
0	None
1	Batches (XXS/XS)
2	Batches (S)
3	Batches (M)
(4)	Report module
0	None
1	Reports (XXS/XS)
2	Reports (S)
3	Reports (M)

Order code (1) (2) (3) (4)
 / - -
 Order example 701840 / 50 - 1 - 1

Note: If required, JUMO smartWARE Evaluation can be delivered pre-installed on a Linux industrial PC (IPC) (part no. 30049726).

Accessories

Designation	Part no.
IPC JUMO smartWARE Evaluation	30049726

Trademark information

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