eppendorf

Parallel Control

DASware® control 5 software—the new way of bioprocessing

»Advanced process monitoring, control, and data logging.«

Process engineers, researchers, and product development specialists rely on Eppendorf DASGIP® Parallel Bioreactor Systems to drive their projects forward. The advanced control software is at the core of all DASGIP systems—featuring a parallel process design right from the start and facilitating the implementation of Quality by Design concepts.

We work constantly to improve our bioprocess control software: DASware control 5 increases control capabilities and performance. It is now much faster—users will feel the difference when loading and saving. Windows® 7 compatibility, a new fresh look of the interface, and configurable views further complement its usability.

DASware control 5 comes in two packages offering different levels of data management according to the customer's individual needs. Both software versions feature parallel process control, SQL Server® process data storage, intelligent recipe management, and an integrated report generator. Beyond that, DASware control 5 professional allows for online batch-to-batch comparison, also to historical runs.

With DASware migrate, also users of New Brunswick™ and third-party bioreactor systems can operate their units with DASware control 5 and benefit from the easy Point-Click-Grow concept of the software.

Parallel process control

Due to the parallel design of the software up to 16 bioreactors can be operated at the same time using DASware control 5—with every single bioreactor and parameter to be monitored and controlled individually. Users benefit from intuitive process views, parallel sensor calibration procedures, online profile editors with user-defined functions as well as configurable charts and enhanced scripting automation.

Using the Eppendorf DASbox® Mini Bioreactor System is the way to an even more powerful process development: Up to 24 bioreactors are supported by one process computer.

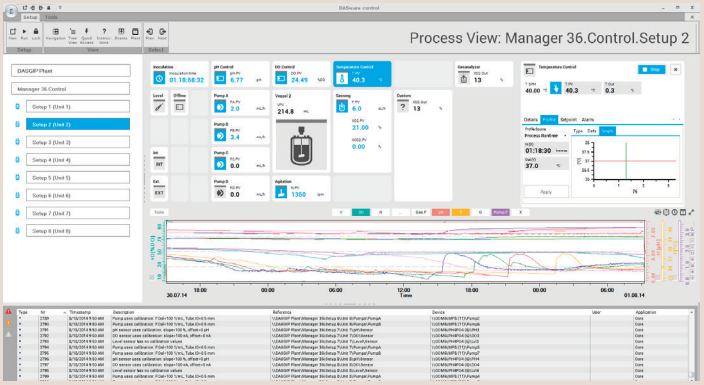
Improved functionality, faster data processing and a new fresh look: DASGIP Control is now DASware control 5

Speed up—through parallel control.

Configurable views and user-defined functions
All process views and charts are available for online editing to provide maximum flexibility. Range limits, setpoints, and DO cascades can be changed online. Flexible profiles enable process automation.

All relevant process parameters and events including pH, DO, OD or exhaust values can be monitored using the graphical bioreactor view.

> Relevant process parameters at a glance
> Configurable view with user-defined parameters
> Manually entered offline values and data retrieved from third party laboratory devices are included in the process



Online data management and batch-to-batch comparison
DASware control 5 professional provides advanced features:

> Online batch-to-batch comparison of data and trends
> Simplified entry and integrated analysis of up to 26 offline values
> Up to 26 online calculated values
> User-defined control loops with configurable input and output process parameters

If further data and information management is needed, such as cross-system analysis and advanced database queries, our software package DASware discover is the right choice.

> Would you like to update your existing DASGIP or DASbox system to DASware control 5? Contact your local Eppendorf Sales Representative and refer to the order numbers on the back.

Technical data* and ordering information

Features	DASware® control 5	DASware® control 5 professional
Number of parallel vessels	DASbox: up to 24; DASGIP: up to 16	DASbox: up to 24; DASGIP: up to 16
Parallel calibration	■	■
Recipe management	■	■
Online editable DO cascades	■	■
Online trend graphs	■	■
Reports	■	■
Microsoft® Excel® export	■	■
Configurable bioreactor view	■	■
Script programming	■	■
Professional database with managed access (SQL Server®)	■	■
Offline values	Up to 4	Up to 26
Online calculated values	Up to 4	Up to 26
External alarm notification (e-mail/text)		■
Online batch-to-batch comparison		■
User-defined control loops		■
Support of external I/O	o	o
IQ/OQ package	o	o
More options by DASware® software suite	o	o
OPC enabled (client & server)	o	o
Order no. (incl. PC, OS, and licenses)		
for 4-fold DASGIP® system	76DGCS4	76DGCSP4
for 8-fold DASGIP® system	76DGCS8	76DGCSP8
for 4-fold DASbox® system	76DXCS4	76DXCSP4
for 8-fold DASbox® system	76DXCS8	76DXCSP8
for 12-fold DASbox® system	76DXCS12	76DXCSP12
Order no. Upgrades – Add vessels to your existing DASware® control.		
for 4-fold DASGIP® system	76DGCS+4	76DGCSP+4
for 4-fold DASbox® system	76DXCS+4	76DXCSP+4
Order no. Updates – Update your existing DASGIP® Control to DASware® control 5 on Windows® 7 operating system.		
for 4 vessels	76DWUPD4	–
for 4 vessels (incl. active software maintenance plan)	76DWUPD4SM	–
for 8 vessels	76DWUPD8	–
for 8 vessels (incl. active software maintenance plan)	76DWUPD8SM	–

Process computer specifications*

Features	DASGIP® Process Computer
Intel Core® i5	■
SSD ≥ 128 GB	■
22“ LCD monitor	■
Windows® 7	■
Microsoft® Office 2013	■
Order no.	76DGPCS

* Technical specifications are to be changed without notice. ■ = standard, o = optional

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