eppendorf

Bridging Sites

DASware® connect software—for easy communication and data transfer

»Let colleagues profit from each others experiments by sharing process data company-wide, throughout different sites, globally.«

Connecting knowledge by sharing data

DASware connect is designed to integrate Eppendorf small and bench-scale bioreactors and fermentors into third-party process control systems and legacy corporate historians.

DASware connect facilitates company-wide access to all relevant bioprocess data, like setpoints, process values, feed profiles, calibration and controller parameters as well as events and alarms, enabling control and exchange of data. It can be used in industrial and scientific applications.

DASware® connect at a glance

> Integration of bioreactor systems into legacy control systems and corporate historians using OPC technology
> Interfacing with scientific software packages like LabVIEW® and MATLAB®
> Enables, among others, the integration into: Emerson® DeltaV™, Siemens® SIMATIC PCS 7 TeleControl®, ABB® 800 xA, OSISOFT® PI System, Matrikon® OPC Historian
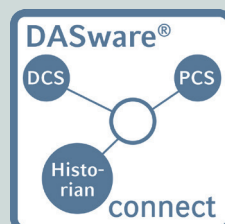
DASware connect: Using the industrial OPC standard, DASware connect makes bioprocess data available for scientific analysis and modelling, centralized process control, and data storage.
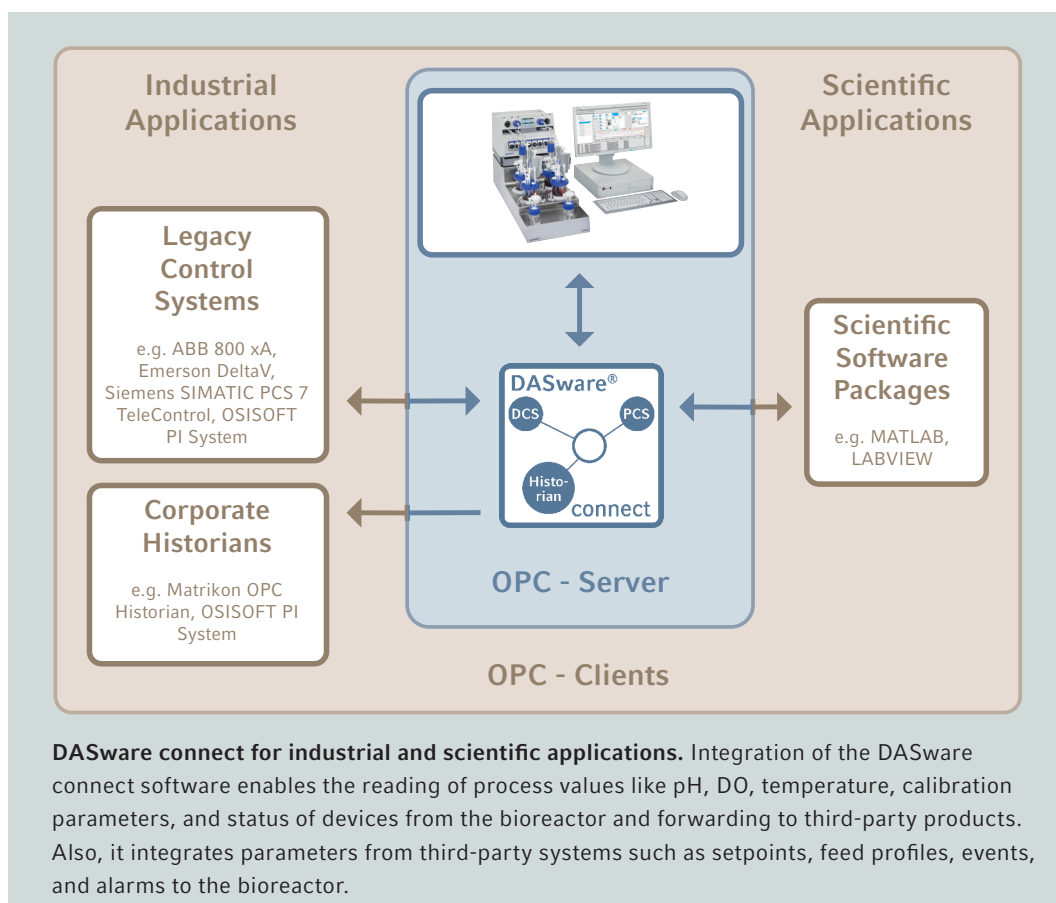
Connect, share, improve – Open communication for high efficiency and maximized outcome

Data transfer and storage

Quality by Design and Big Data approaches impact bioprocess development and production in a challenging way. With every year, even bigger data volumes have to be processed. For most companies this leads to the need of effective, powerful, and user-friendly tools to process, analyze, store, and reuse data. There is a broad range of solutions on the market.

Our bioprocess software DASware connect directly addresses open communication between bioprocess controllers and different devices, software, and systems. It supports easy integration into legacy control and data storage systems. This way, terabytes of archived process data can be made available company-wide for process development and production on a global scope. Futhermore, bioprocess values derived from the bioprocess system can be delivered to scientific software packages for analysis and model development.

DASware connect for industrial and scientific applications. Integration of the DASware connect software enables the reading of process values like pH, DO, temperature, calibration parameters, and status of devices from the bioreactor and forwarding to third-party products. Also, it integrates parameters from third-party systems such as setpoints, feed profiles, events, and alarms to the bioreactor.

Bi-directional communication

DASware connect allows for communication and data transfer in both directions: It acts as an OPC server while the externals systems, like corporate historians or legacy control systems, function as OPC clients (see info box below). They read process values from the bioreactor system to store or analyze them, or they write setpoints predefined by the external systems to run the bioreactor.

Open Platform Communication - OPC

The OPC technology is a series of protocols and standards for real-time IT communication. It was originally designed as object-linking and embedding system for process control.

OPC is an industry standard communication protocol that facilitates the communication of devices from different manufacturers.

Ordering information

Description	Order no.
DASware® connect, OPC server (OPC DA for ext. PCS)	
for 1 vessel	76DWCON
DASware® control 6, incl. PC, OS, and licences	
for 4-fold DASGIP® system	76DGCS4
for 8-fold DASGIP® system	76DGCS8
for 12-fold DASGIP® system	76DGCS12
for 16-fold DASGIP® system	76DGCS16
for 4-fold DASbox® system	76DXCS4
for 8-fold DASbox® system	76DXCS8
for 12-fold DASbox® system	76DXCS12
for 16-fold DASbox® system	76DXCS16
for 20-fold DASbox® system	76DXCS20
for 24-fold DASbox® system	76DXCS24