

**Software Solutions** 



### **Features**

- Configurable to automatically save data by time stamp and batch ID
- Customize trends for color, time intervals, number of trends per page and number of pages
- Export data as a report into Excel
- 21 CFR Part 11 compliant
- Optional PI enterprise server available

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## **Solutions for Life**

2009-0318

# **Continuous Historian**

TruBio® DV leverages the embedded DeltaV™ continuous historian which includes a Historical Database, Event Log and Process History View. The historical data can be exported into an MS Excel report. A standard DeltaV license for a ProPlus computer includes up to 250 historical data points as a standard feature. For systems requiring more than 250 historical points an application station computer is added to the DeltaV network, and can store an almost unlimited number of points with additional licensing.

TruBio DV 🍣

#### **Examples of Process Data Points to be Logged**

pH (measured value, glass and reference impedance)

Dissolved Oxygen (measured value, nanoamps, temperature)

Temperature/Pressure

Level/Foam

Pumps (speed, count, total count)

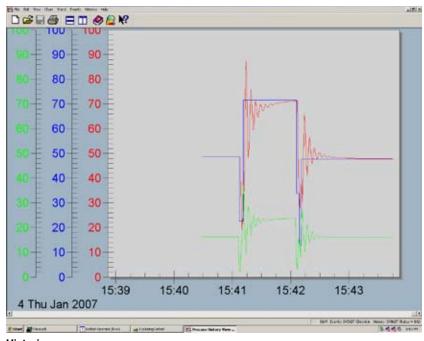
Agitator (speed, count, total count)

Gas Flow (flow rate, total volume)

Scales (weight)

Cell Density

Metabolites: Glucose, Lactace, Glutamine, Osmolality, CO<sub>2</sub>, Cell Viability (3rd party devices)



Historian



## **Solutions for Life**



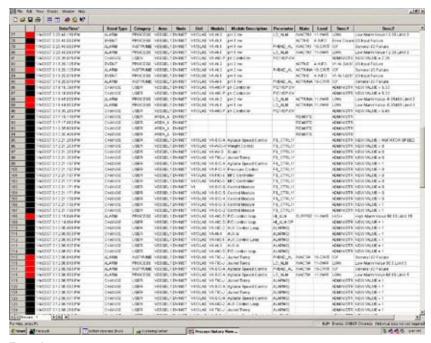
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2009-0318 TruHistory, Continued

Data Recorded by the Event Log	
Date/Time	
Event Type	
Category	
Area	
Node	
Unit	
Module	
Module Description	
Parameter	
State	
Level	
Description	

The DeltaV system also provides an Event Log that records alarms and actions taken by the user. Each event is stored with a time stamp, and stores the parameters the shown in the table below. The Event Log can be extracted to become part of a batch record.



**Event Log** 

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