



Davis 5

Data Acquisition and Visualization Software

Davis 5 software for analyzing, recording and storing data during production

Any mPDS 5 evaluation unit can be controlled by a PC running the powerful Davis 5 software for data acquisition and visualization. All process data are recorded continuously and production problems are detected immediately. Davis 5 provides fast and straightforward statistical evaluation for optimizing production and plant performance. It is easy to operate, with self-explanatory menus. The mPDS 5 evaluation unit is connected to Davis 5 by using a standard Ethernet cable.

Remote access via Ethernet

Real-time data can be shown simultaneously on several PCs throughout the plant. This means you can check the values, change the configuration or stop the line from any location within your company network. You can easily scroll back to review earlier production performance as Davis 5 provides unlimited access to recorded data.

Display of trends and statistics

Scroll back to check the beginning of the production run, while Davis 5 continues collecting and storing the current data without any interference. You are given production start/stop information and many other selected parameters such as exceeded limits, trends and quality-related information (Cp, Cpk).

Davis 5 stores and uses brand-specific settings such as target values and alarm limits for up to 999 beverages. If target values are exceeded or not reached, the out-of-spec values are easily recognizable as they are highlighted on the Davis 5 screen and the background changes color.

Statistics report

The statistics report gives you the mean value, min./max. and standard deviation, operating times and down times of the production line, bottle/can numbers for out-of-spec product, history of adjustments, etc. At the end of each production run, the statistics report can be printed, containing user-specific calculations such as process capability (Cp, Cpk). You can also exclude and include measurement values to give you the correct statistical calculation, for example to eliminate startup fluctuations.

Benefits:

- ▶ Perfect support in case of customer complaints using complete historical data
- ▶ Monitoring of real-time process data from any PC in the plant
- ▶ Prevention of out-of-spec products leaving the plant
- ▶ Traceable documentation of all line stops and adjustments
- ▶ Simple, user-friendly calibration and/or adjustment of measurement values
- ▶ Automatic analysis of calibration data to reduce adjustments and recognize drifts of lab and process instruments.
- ▶ Concise statistical evaluation of line performance
- ▶ Data are stored on a reliable server machine

Software Features:

- ▶ Access for remote operation, maintenance diagnostics and trouble shooting
- ▶ Several clients access the Davis 5 database stored on a single server
- ▶ Intuitive handling and easy-to-use software with individual screen layouts
- ▶ Up to 50 different measurement values are recorded per beverage
- ▶ Product-specific target limits and alarms for up to 999 beverages
- ▶ Storing interval down to 1 second possible
- ▶ mPDS 5 diagnostic and error messages available in Davis 5
- ▶ Reports (PDF) are automatically saved and distributed by e-mail after product changes or at a certain time each day.
- ▶ Export of measuring data for further analysis or trouble shooting
- ▶ Database service routines (export and import)
- ▶ Davis 5 Server can collect data from more than 10 lines simultaneously without considerably reducing the performance of the server

Your distributor: