Benefits

Honeywell’s Procedure Analyst software provides reporting and analysis for procedural operations and batch automation. It is focused on providing key process operations benefits:

- Comprehensive procedure execution reporting for quality and tracking
- Continuous process improvement through identification of procedure execution issues
- Early identification of quality problems or deviations from golden procedures for consistent execution and operational effectiveness
- Timely comparison and analysis across procedure executions for improved process performance, optimization and adherence to best practices

Today’s business climate drives a focus on safety, improving performance and increasing adherence to expanding quality metrics. The information to analyze process conditions and address key business drivers for continuous improvement needs to be easily accessible.

Unlike many systems, where it takes days to consolidate various history sources into comprehensive reports or weeks to derive the information to accurately compare procedure executions for deviation analysis, Honeywell’s Procedure Analyst brings together the precise information needed for optimization, analysis and reporting through graphical desktop tools. Procedure Analyst automatically consolidates and correlates information for enhancing operational effectiveness, increasing productivity and improving responsiveness for safer production and quality assurance.

As increased focus is placed on adhering to best practices and ensuring a safe environment, Procedure Analyst brings the complex task of procedure data correlation and analysis to the user through operations focused graphical tools. Procedure Analyst offers the information needed to quickly and effectively evaluate equipment utilization and process bottlenecks, compare procedure executions and identify issues early to ensure quality and consistency.

Features

Procedure Analyst is focused on providing the right tools to quickly and effectively analyze procedure executions with comprehensive information such as execution history, process alarms and events, and continuous history. This information is available through advanced desktop tools for reporting and analysis.

Comprehensive Reports for Tracking

Procedure Analyst provides configurable reporting to ensure procedures are executed consistently based on operational best practices and adhere to key quality metrics. The reports tool brings together continuous history, process alarms and events, and procedure execution history for comprehensive procedure-based reporting. This includes a series of standard reports that can be modified and configured to match process-specific requirements. Standard reports include a
A detailed procedure report with continuous data of a report at the end of a procedure execution or batch completion, reports can be requested on demand to meet time-critical needs.

Multiple report formats can be specified to support the reporting needs of multiple organizations within your facility.

![Graph of Continuous Relay Values](image)

These flexible queries deliver the power to quickly diagnose, analyze and act on process data for enhancing operator effectiveness and increasing profitability. Additionally, these queries can be executed from other tools such as Excel for additional desktop flexibility.

**Procedure Trends**

Bridging the past with the present, Procedure Analyst graphically provides the right information to the operator to monitor key process variables of a currently executing procedure and compare this with the optimal procedure execution. This allows for early identification of quality issues or process deviations, enabling the operator to take action immediately. The Procedure Analyst trend tool assists the operator in viewing and comparing trends of continuous process variables in a procedure or batch context. For example, the reactor temperature for a running procedure can easily be plotted against the temperature profile for a previously run procedure. These trends are aligned based on procedure execution events, rather than absolute time, to enable visual comparison. Procedure Analyst further allows the trending of a "golden," or ideal, procedure against other procedures currently running. This is achieved with an easy-to-use graphical environment allowing for creation of standard or customized trends.

![Graph of Procedure Trends](image)

**Advanced Procedure Comparison**

Whether identifying the cause of procedure problems and deviations or analyzing areas for improving throughput and optimization, Procedure Analyst brings together comprehensive information through advanced tools.

The Procedure Analyst query tool supports pre-built and customizable queries in a graphical environment. Data filters and search criteria are specified in easy-to-use pull-down menus. Queries can be executed based on procedure event data, continuous data and system event data. For example, production summaries can be executed for a particular unit, for a specific product or for a given period of time.

Additionally, the ability to specify continuous process conditions assists in identifying procedures in which the temperature or pressure in an equipment unit was greater than, less than or equal to a particular value.

![Graph of Advanced Procedure Comparison](image)
System Requirements


Comparison of continuous data across procedure executions

Project Services

Honeywell is a full-service provider of procedural operations and batch automation solutions. With worldwide offices and experienced teams, Honeywell provides key capabilities including feasibility studies, design, implementation and commissioning services.

More Information

For more information about Honeywell’s Operator Interface Solutions, visit www.honeywellprocess.com or contact your Honeywell account manager.

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