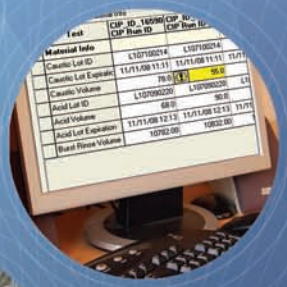


InfoLog™

Electronic Logsheets

informetric
SYSTEMS

Manufacturing Intelligence. Simplified.

InfoLog™ ELECTRONIC LOGSHEETS

Why Use Electronic Log Sheets?

As manufacturers continually look for more efficient ways to run their facilities, many are re-evaluating the way data is collected, stored and analyzed.

Facilities currently using paper records or spreadsheets to organize data have probably encountered challenges involved with collecting data in a manual format.

Switching to a system that electronically and automatically collects data minimizes issues involved with accuracy, security, accessibility, reporting and more.

Paper vs. Spreadsheets vs. Electronic Log Sheets

Let's take a look at some of the challenges and benefits involved with data collection:

Common Data Concerns	Paper/Manual Records	Spreadsheets	Electronic Log Sheets
Accuracy	Prone to human error and omissions	Limited provision for checking integrity of entered data	Input verification ensures accurate and complete data
Accessibility	Difficult to organize/locate paper records	No multi-user access	Network-based, multi-user database application
Security	No provision for authentication	No provision for electronic signatures	Rigorous security with option for Windows authentication
Traceability	No means for accountability	No audit trail	Every change written to audit trail
Reporting/Analysis	Data must be re-keyed into analytical software	Difficult to aggregate data for long-term analysis	All data archived in a central database with option for web-based reporting

Currently Using Paper or Spreadsheets to Collect Data? Making the Switch is Simple.

After realizing the benefits of using electronic log sheets, a final concern may be the process of moving data from existing paper records and spreadsheets into a centralized database.

As all existing InfoLog customers have migrated from manual records, the experts at Informetric are experienced at making the transition a simple process. Once the data is in a file, spreadsheet or database format, we can easily import the records into InfoLog.

Informetric applications adhere to current industry-standard communication and data access protocols. As a result, Informetric software can be integrated with existing legacy systems as well as support new applications.

Data collected in a secure, centrally-managed environment.

Why Choose InfoLog?

Ensure Accurate and Complete Data Collection

InfoLog ensures that required process and product data is entered in a timely and accurate manner. InfoLog can also provide immediate indication when values are not within acceptable limits, or when required data has not been entered. Comments can be associated with an event or specific logsheet values.

Event-Driven

Each InfoLog logsheet is associated with an event trigger. Events can be time-based, triggered by an external system or created by authorized users on an ad-hoc basis. Logsheets can also be pre-populated with data from external OPC servers.

Structured User Interface

InfoLog incorporates a structured logbook/logsheet paradigm that is associated with configured user profiles. The layout of the user interface can be adapted to specific data entry and management roles.

Integrated Specification Limits

Specifications can be configured for action, violation and error limits. Error limits prevent inadvertent errors due to the miskeying of data. Individual input cells can be specified as required, providing visual indication in the event that required values have not been entered.

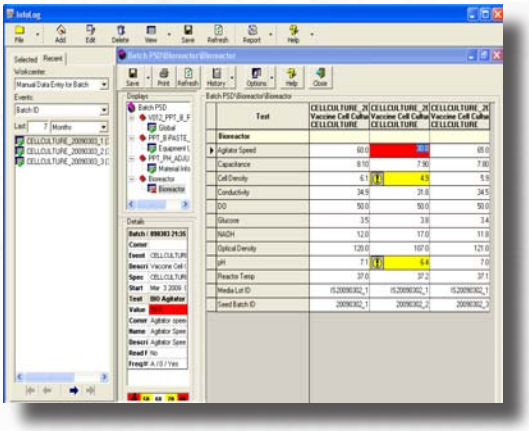
Rigorous Security and Traceability

All view/enter/edit privileges are tied to a role-based security model. The logbook and logsheets that a user can access are associated with privileges. Likewise, an individual's authorization to enter and edit data is defined by the user's role. For example, certain classes of users may be able to enter data, while the authority to edit data may be confined to a subset of users. An audit trail is maintained for all data entry.

Regulatory Compliance

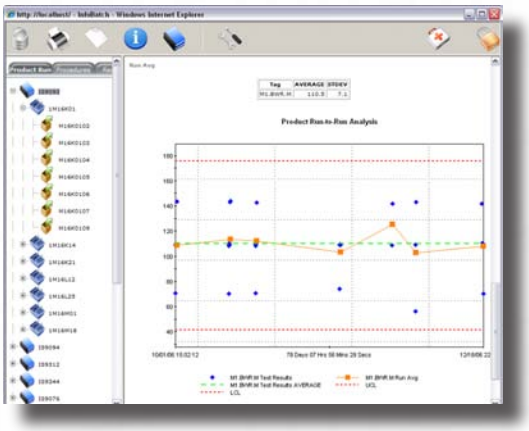
InfoLog was designed from the start to conform with FDA 21 CFR Part 11, Electronic Records and Signatures. Rigorous security, audit trails and version control ensure compliance with FDA regulations.

Data is easily accessible and flexible



Using a Microsoft SQL Server database engine, data is collected in a centrally managed environment and suitable for a number of input tasks such as lab test data, machine logs, downtime recording, and more.

Reporting is comprehensive and enterprise-ready



Options for web browser-based reporting allows for easy statistical analysis, regulatory compliance reporting and productivity analysis.

30% of Fortune 100 manufacturers rely on Informetric applications to maximize quality and productivity.

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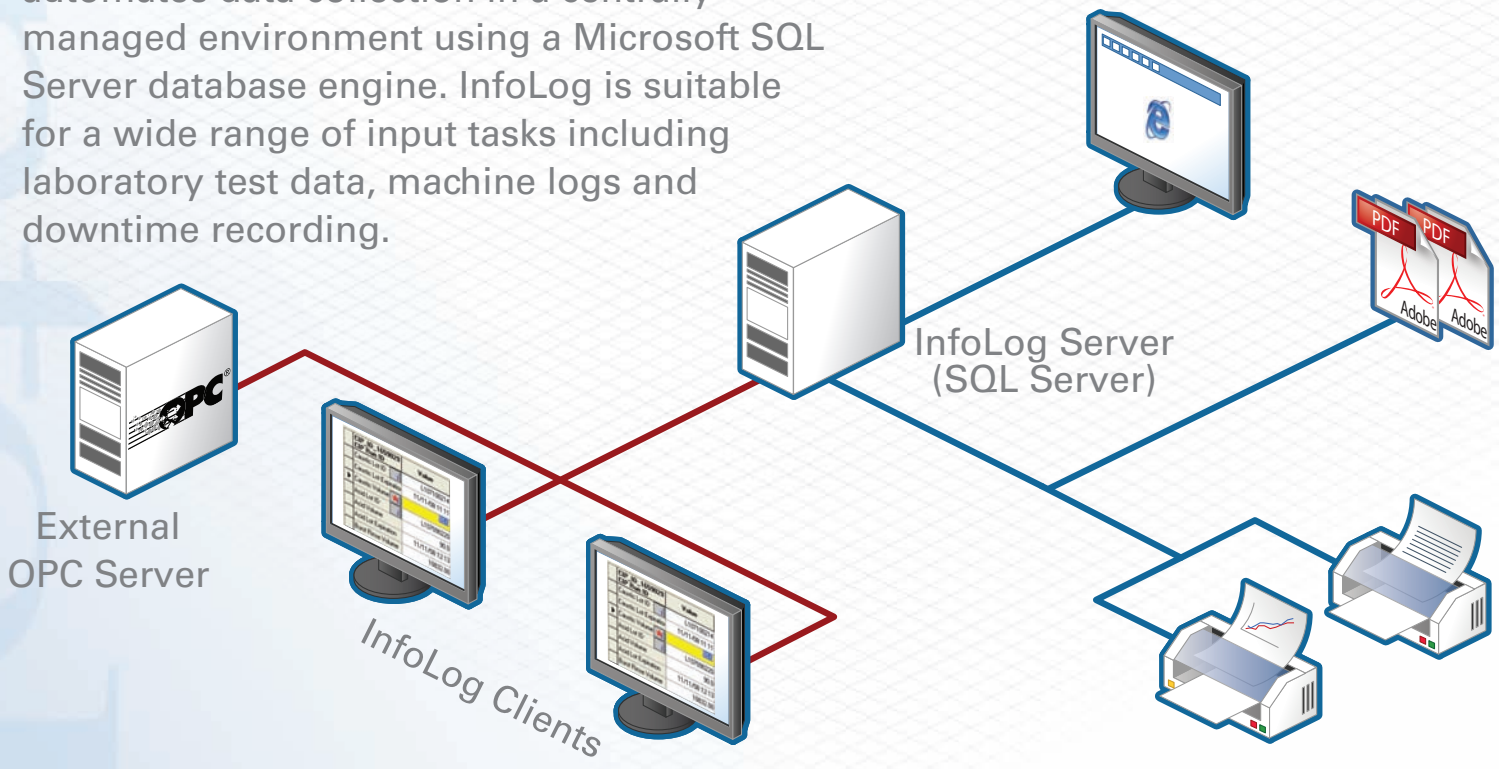
InfoLog™

InfoLog is a data entry application that automates data collection in a centrally managed environment using a Microsoft SQL Server database engine. InfoLog is suitable for a wide range of input tasks including laboratory test data, machine logs and downtime recording.



SPECIFICATIONS

2200	InfoLog Server
2201	OPC Client Data Acquisition
2070	InfoLog Client
2104-IL	InfoLog Configurator
2104-IS	InfoSpec Configurator
3001-IL	InfoBatch Manufacturing Intelligence for InfoLog
3040	AutoGen Automatic Report Generation
3050	Web Server Reporting

PREREQUISITES

- PC-class server
- Windows XP, Windows 2003 Server or higher
- 4 GB RAM
- Fault tolerant disks recommended
- Microsoft SQL Server 2005 or higher

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