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Система мониторинга LMS Pro. Техническое описание



The LMS Professional Monitoring System is designed to analyze and display data for all monitored manufacturing and service operations phases. Its advanced design provides sophisticated automated alarming, notification, viewing, reporting, and auditing capabilities to any operational facility.

Simplified installation, configuration, and validation are key features. Designed explicitly for high-reliability and secure facility monitoring, LMS Pro contains comprehensive security with a redundant data collection system and an intuitive, easy-to-use interface.

Data at Your Fingertips

With LMS Pro software you can easily access data when, where you want it. Whether you are at your desk or at any computer on your network, you can access all of the data you need.

View your data in multiple formats:

Real-Time Maps | Real-Time/Historical Graphs | Real-Time/Historical Data Tables | Grid Tables | Alarm Logs | Event Logs | Compliance Reports | Batch and Lot Reports

Data Redundancy

As environmental contamination can adversely affect product yield, monitoring environmental conditions is mission-critical.

A single excursion can cost hundreds of thousands of dollars in product loss. With redundant data collection, your data will be automatically recorded to two databases simultaneously. With mirrored databases, if the main computer fails, the secondary will automatically take over data collection, thus providing you with uninterrupted data collections and alarming on out of specification conditions.

Ease of Use

LMS Pro was designed with an ICON-driven user interface which greatly simplifies the user experience. Color-coded status and unique shaped ICONS enhance the already intuitive user interface.

. Hazard identification

Identify potential hazards that could affect the cleanroom environment. This can include sources of contamination, such as personnel, equipment, materials, utilities, or processes.

. Risk analysis

Analyze each identified hazard's severity, likelihood, and potential consequences to prioritize risks based on their significance.

. Risk evaluation

Evaluate the severity and likelihood of identified risks to identify top threats to the cleanroom environment that demand immediate attention.

. Develop control measures

Develop and apply risk control measures to mitigate or eliminate identified risks, including procedural and engineering controls, personnel training, equipment

maintenance, and process enhancements. The objective is to minimize the likelihood and severity of risks.

. Documentation and communication

Document the risk assessment process, including identified risks and implemented control measures. Effectively communicate this information to relevant stakeholders, including cleanroom personnel, management, and regulatory authorities.

. Monitoring and review

Review ongoing monitoring and evaluation of the implemented risk control measures. Conduct regular risk reassessments to identify new hazards or changes in the cleanroom environment that may necessitate adjustments to the EMS or risk mitigation strategies.

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