Waters™

Enhancing Laboratory Efficiency with Large Screen Monitor View: A New Feature in waters_connect System Monitoring Software

INTRODUCTION

Laboratories are under constant pressure to improve efficiency and productivity. While digital transformation has empowered labs with data-driven tools to enhance workflows, labs are facing challenges in making this information accessible, actionable, and collaborative.

The waters_connect™ System Monitoring software addresses these challenges by providing real-time insights into the status and usage of chromatography and LC-MS systems. With the introduction of a new large screen view, lab managers now have an innovative way to visualize data and streamline lab operations. This whitepaper explores the benefits and applications of this feature, illustrating how it can transform laboratory management.

THE EVOLVING LABORATORY

The modern laboratory is evolving rapidly, driven by technological advancements and a growing emphasis on data-centric operations. Digital tools have revolutionized how labs collect, process, and analyze data, making it possible to derive actionable insights and improve decision-making. However, with these advancements comes the challenge of resource optimization.

Laboratory systems, such as chromatography and LC-MS, are critical for analytical workflows. Ensuring these systems are utilized effectively and are always operational is a top priority for lab managers. Traditionally, monitoring of systems has been limited to individual workstations or smaller-scale views, which can make it difficult to achieve a comprehensive perspective on lab health and resource usage.

In response to these challenges, labs are increasingly exploring new visualization methods to enhance connectivity, collaboration, and operational efficiency.

EXPLORING NEW WAYS OF VISUALIZATION

Visualization is key to understanding complex data and enabling quick decision-making. Lab managers and directors often seek tools that provide a holistic view of their lab's status. Real-time visualization is not only useful for individual users but also has the potential to foster collaboration across teams by ensuring that critical information is visible and accessible to everyone.

Large screen views that allow viewing on large display monitors take this concept further by providing a centralized, high-visibility display that can be installed in communal areas of the lab or associated office space. This enables all team members to stay informed about the status of lab systems at a glance, without the need to log in individually. Such visibility drives efficiency, reduces downtime, and promotes a culture of shared responsibility.



To meet the demands of modern laboratories, the waters_connect System Monitoring software has been enhanced with a large screen view. This new feature is designed to address key challenges in lab management by providing a centralized and comprehensive view of laboratory systems.

KEY FEATURES OF THE LARGE SCREEN VIEW

1. Real-Time Status Updates

The large screen view displays real-time data about the status of chromatography and LC-MS systems. This allows lab personnel to quickly identify running systems alongside time to completion, available or scheduled systems, and systems in error, enabling swift action to minimize disruptions.

2. Extended Session Time-Out

To ensure uninterrupted monitoring, the software now features an extended time-out period. This eliminates the need for frequent logins during work hours, making it ideal for continuous use on large displays in shared spaces.

3. Automatic Page Cycling

The software can automatically cycle through multiple pages of system tiles, ensuring that information about all systems is displayed without manual intervention.

4. Expanded Display Capacity

The large screen view maximizes the available screen space, allowing more system tiles to be displayed on a single page. This feature is particularly useful for labs with a high number of analytical instruments.

5. Customizable Preferences

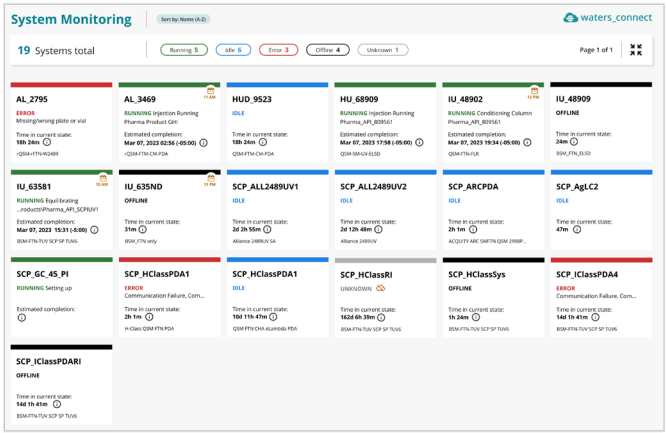
Users can set specific preferences for the large screen view, such as filtering to display only systems in error, or filtering to show select Teams of systems for a given lab. These preferences are retained, making it easy to set up and maintain customized views tailored to the lab's needs.

REAL-WORLD IMPACT: CHONG KUN DANG PHARMACEUTICAL COMPANY

The benefits of the large screen view are already being realized by labs worldwide. One notable example is Chong Kun Dang (CKD) Pharmaceutical Company, where the feature has been integrated into their quality control (QC) processes.

Yoon Jae-hoon, Manager of CKD's QC testing support part, highlighted the impact of the large screen view:

"Real-time checking has become possible from anywhere, at anytime, and we have set up dashboards on large monitors in the preparation area to monitor all HPLC instruments. This has improved the efficiency of our analysis operations and allowed for continuous monitoring, contributing to productivity improvements."



By leveraging the large screen view, CKD has enhanced their ability to oversee lab operations, reduced downtime, and increased overall productivity.

DAY-TO-DAY VALUE OF THE LARGE SCREEN VIEW

The large screen view delivers tangible benefits to lab managers and the scientists within their teams:

1. Improved Communication and Collaboration

By displaying critical information in a shared space, lab personnel are more aware of system statuses, fostering a collaborative environment.

2. Enhanced Decision-Making

The ability to see real-time updates allows lab managers to make informed decisions quickly, reducing delays and optimizing workflows.

3. Reduced Downtime

With continuous monitoring, potential issues are identified and addressed proactively, minimizing unplanned downtime.

4. Streamlined Resource Allocation

The visibility provided by the large screen view helps lab managers allocate resources, such as personnel and systems, more effectively.

5. Customizable Insights

Retained preferences allow labs to tailor the large screen view to their specific needs, ensuring that the most relevant information is always in focus.

SUMMARY

As laboratories continue to embrace digitalization, tools that enhance efficiency, collaboration, and productivity are becoming essential. The introduction of the large screen view in waters_connect System Monitoring software marks a significant step forward in laboratory management.

This feature enables lab managers to visualize system data in real time, ensuring that critical information is accessible to the entire team. By improving communication, reducing downtime, and optimizing resource allocation, the large screen view empowers labs to achieve their operational goals and drive scientific innovation.

With early adopters like Chong Kun Dang Pharmaceutical Company already experiencing the benefits, it's clear that this feature is a valuable addition to the modern lab.

For more information about waters_connect System Monitoring software and its features, contact your local sales representative.

For your local sales office, please visit
waters.com/contact

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