

## Real-Time Control for **Real-World Results**

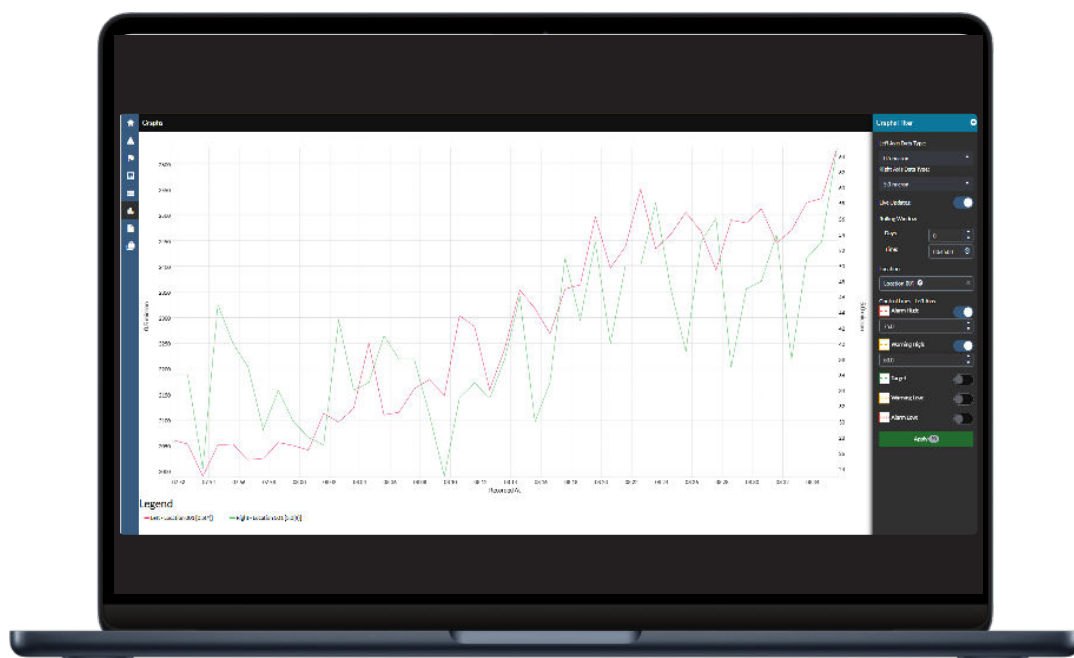
**LMSExpress™** gives you continuous, real-time visibility into your cleanroom so you can respond to excursions the moment they occur... all while keeping critical processes under control. Designed as an intuitive monitoring software platform, it centralizes your data from a wide range of sensors into a single, easy-to-navigate interface.

**LMSExpress** simplifies daily environmental oversight with built-in maps, graphs, charts, and data tables that make trends and deviations immediately clear to operators and QA. The software supports integration of multiple environmental parameters...

such as particle counts, temperature and humidity, differential pressure, air velocity, door status, CO<sub>2</sub>, viable particles, and O<sub>2</sub> levels. So alarms and reports can be configured around your specific cleanroom requirements.

### Features

- Real-Time Data Collection
- 21 CFR Part 11 compliant login and passwords
- Optional live map overlays and camera support
- Manage up to 50 Lighthouse instruments
- Email or SMS Alarm Notifications



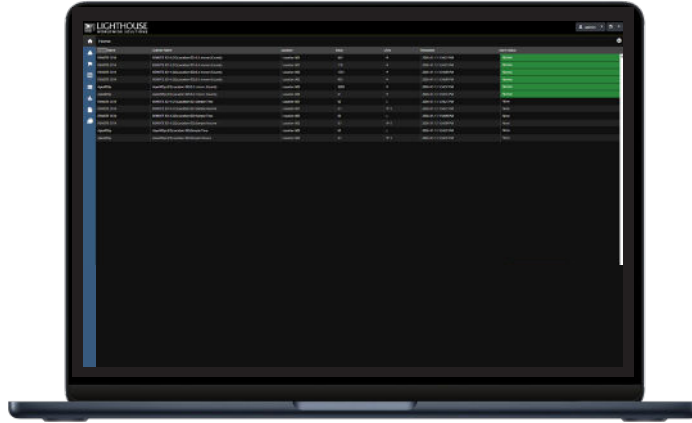
To support compliance, Lighthouse offers IQ/OQ validation services or self-executing IQ/OQ documentation, as well as turnkey project delivery from installation through validation for a single, accountable point of contact.

golighthouse.com  
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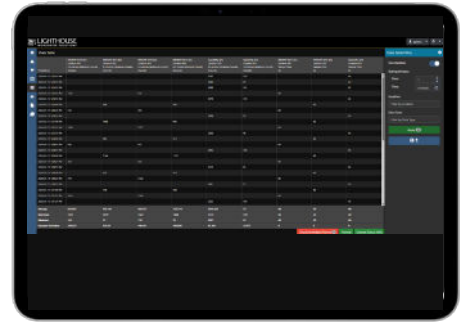
**LIGHTHOUSE**  
WORLDWIDE SOLUTIONS

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## Technical Data Sheet



LMW Express 9 Homescreen



LMW Express 9 Data Table

## LMSExpress™

|                                              |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| <b>Real-Time Data Collection</b>             | Collects data as it happens from LWS particle counters and sensors |
| <b>Manual and Automatic Downloading</b>      | Download data using USB, serial, or over your network              |
| <b>Trend Analysis and Historical Graphs</b>  | Visualize long-term performance and spot issues over time          |
| <b>Compliance Reporting</b>                  | Generate reports for regulatory standards like ISO 14644-1         |
| <b>Data Export Options</b>                   | Export to formats like Excel, CSV, BMP, and JPEG                   |
| <b>Customizable Dashboards</b>               | WYSIWYG dashboards allow point-and-click layout modifications      |
| <b>Regional Settings and Units</b>           | Localizes date, unit, and number formats for global teams          |
| <b>User Authentication and Security</b>      | 21 CFR Part 11 compliant login, passwords, and event logs          |
| <b>Secure Archiving and Event Logging</b>    | Safeguard your data and keep a traceable record of all events      |
| <b>Alarm Management and Acknowledgment</b>   | See, log, and respond to alarms in real time, with custom delays   |
| <b>Visual Mapping and Camera Integration</b> | Optional live map overlays and camera support for richer overviews |
| <b>OPC DA Server Output</b>                  | Integrate real-time data output to external control systems        |
| <b>Multi-Instrument Support</b>              | Manage up to 50 Lighthouse instruments from a single application   |
| <b>Windows Compatibility</b>                 | Compatible with Windows® 10, 11, Server 2019, Server 2022          |



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