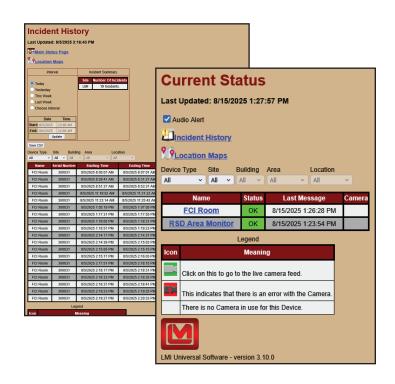# LUDLUM MEASUREMENTS, INC.

Ludlum Universal Software

Part Number: 1370-093

Features

- Connect to Multiple Ludlum and Ludlum GmbH Instruments via Web Browser Interface Over Ethernet
- 24/7 Operation
- Email Alerts Upon Alarms or Failure Events
- Data History
- Save Data to CSV File
- Remotely Clear Alarms on Supported Model 375/375P Series Instruments

Introduction

Ludlum Universal Software is a network software package that allows users access to the collected and displayed radiation levels and alarm statuses from multiple Ludlum radiation detection instruments, such as area monitors, sample monitors, and portal monitors. Different users may have access to different sets of instruments either by instrument type (e.g. area monitors) or by locations (e.g. all connected instruments in a certain building). Instruments that have continuous readings may be monitored for trends over specific times such as by the hour, day, or week. Instruments like gamma portal monitors can record individual scans and maintain a scan history.

All data is stored in a SQL database using the Microsoft SQL Server, which must be installed locally on your network. An existing SQL Server can be used. For new installations, a free version, Microsoft SQL Server Express, can be downloaded from the Microsoft website.

The server can be configured to send emails on alarms or failure events, quickly alerting the necessary personnel. Email destinations are assigned by groups of instruments (each instrument specified by serial number) and set for up to three different shifts, so only those personnel responsible for specific instruments will receive email notifications. Alarm and failure event notifications include information describing the type of event, the involved instrument, the location, the reading, and user-added comments (comments can be added to data after it is stored via the web interface). The email notifications are also customizable with the ability for the user to define the email subject and additional message content.

Optional Ethernet cameras may be configured to take an image when an alarm or failure event occurs, store it in the database, and include it in the email notifications. The application provides a link directly to the camera to view live video.

System Minimum Requirements

OPERATING SYSTEM: Windows Server 2019 or higher
PROCESSOR: 64-bit 1.4 GHz or higher
MEMORY: 4 GB RAM
STORAGE: 32 GB minimum for operating system, 1 GB for data if SQL Server installed locally
SQL SERVER: Microsoft SQL Server 2019 or higher
OTHER: .NET Framework 4.8 or higher

Software Features & Instrument Compatibility

Model	Logging Interval	Log Background	Log Alarm / Error Event	Log Scan (with ID)	Capture Image on Alarm / Error Event (Option)
53	Set on device	✔	✔	✔	✔
54 Series	Set on device	✔	✔	✔	✔
334 Series[1]	Set on device	✔	✔		✔
375(P) Series	Set in software	✔	✔		✔
2100 Series	Set in software	✔	✔	✔	✔
3276	Set in software	✔	✔		✔
3500-2502	Set on device	✔	✔	✔	✔
4906 Series	Set on device	✔	✔	✔	✔
HBP-29[2]	N/A		✔		✔

1. For Model 334 Series, also logs data history (includes status, reading, measurement type, elapsed time, MDC, estimated worker dose, MDD, sample flow rate, and total sample volume).

2. For HBP-29, also allows remote access to instrument UI.

Remote Software Installation Service

LMI offers a convenient Remote Installation Service to set up the Universal software directly on your server/computer. Our expert team will handle the complete software installation, configure your radiation monitors, and ensure your system is fully operational. To get started, customers must complete a short pre-installation questionnaire (available on the Universal Software page on our website) to help us prepare for a smooth setup.

Note: This service does not include installation of Windows, SQL Server, or IIS. For server upgrades, customers are responsible for database migration.

Software Demo

A demo version of Ludlum Universal Software is available to view at https://universal.ludlums.com/.

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.