



Noblelight® Advanced Intelligent Monitoring System – AIMS®

Real-time performance monitoring for Smart UV Curing systems in the age of Industry 4.0

For use with LightHammer® Mark II and Mark III UV curing systems, the Advanced Intelligent Monitoring System (AIMS®) software, enables manufacturers to monitor their UV curing system performance in real time and embrace Industry 4.0.

The AIMS® software application provides real-time UV system performance monitoring and data acquisition of important operating parameters depending on the LightHammer® system it is monitoring. Using the AIMS® software, operators and process engineers can view and monitor operating data in real time on a PC using different dashboard formats. If desired, the system can send alerts and notifications via email. Operators and maintenance personnel can track maintenance schedules for consumable parts to improve maintenance.

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EXCELITAS
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Key Features

- One tool to record, monitor, and maintain the entire system performance parameters.
- When operating in Primary/Secondary, a maximum of 13 primary units can be configured per one AIMS® network. The total number of power supplies on one network cannot exceed 30.*
- Tracking of operational hours by key components – magnetron, bulb, and reflector hours.
- Capable of monitoring 24–36 different system metrics including magnetron current, magnetron voltage, photocell voltage, and more.
- Can send email alert when warnings/faults occur.
- Ability to log data in 15, 30, or 60-second intervals.
- Automatically creates a new data file at midnight with date stamp. If enabled, the data file can be sent automatically via email.
- Each data point provides min., max., std. deviation, and mean for the period.
- User-friendly and flexible software.
- Single cable connects from the proprietary LightHammer® Mark II and Mark III network to USB port on PC.
- Displays up to 6 user-selectable metrics simultaneously on display screen.
- Can display data in graph, gauge, or summary formats.
- Network available via Primary/Secondary port (J102).
- Can periodically email System Summary Report.

*Able to support LH6 Mark II, LH10 Mark II, LHP10H Mark II, and LHP10L Mark II simultaneously.

Operating Parameters

- Consists of USB-enabled hardware module (dongle) and a PC software application.
- No external power required; hardware module is powered by the PC's USB port.
- Requires a PC or laptop for software application.
- Acquired, aggregated data may be viewed using Microsoft® Excel®.

Minimum Hardware Requirements

- For PC using Windows® 8 with 32-bit operating systems; minimum 4GB System RAM.
- For PC using Windows® 8 with 64-bit operating systems; minimum 8GB System RAM.
- Intel® Dual Core 2 GHz or higher recommended.
- 1,024 x 768 screen resolution minimum; 17-inch wide screen resolution recommended. Square screen monitors not recommended.
- USB port.

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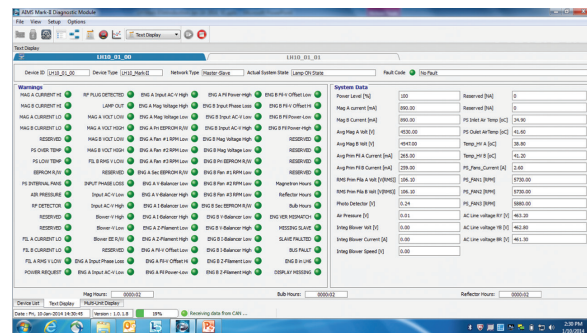
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Graph View



Gauge View



Summary View

Contents of Kit

- USB drive (software and manual).
- AIMS® interface module.
- DeviceNet™ adapter cable (connect between interface module and network).
- DeviceNet™ T-connector, Micro-style.

ISO 9001 Certified QMS

