

System-in-a-Box

System-in-a-Box (SIAB) is a ready-made monitoring system with a pre-wired cabinet, pre-configured software, and compliance built in. No complex setup, just plug, play, and monitor.

Environmental monitoring shouldn't be complicated, but traditional systems often take weeks—or months—to design, configure, and validate. Lighthouse's System-in-a-Box changes that.

This fully integrated, plug-and-play solution delivers a pre-wired control cabinet and pre-configured LMS Express 9 software, making deployment as simple as mount, connect, and monitor. From cleanrooms to pharmaceutical manufacturing lines, SIAB ensures you meet GMP and 21 CFR Part 11 requirements without the usual headaches.

Features

- Fast installation - Pre-wired cabinets and pre-configured databases improve setup time
- Scalable - 24-48 ports with full sensor support
- Built-in compliance - 21 CFR Part 11-ready with software audit trails and validation templates
- A single system to manage your monitoring
- Log in via a browser to start/stop devices
- Easily manage alarms/events
- Simple creation of audit/event logs
- 2 Year Warranty

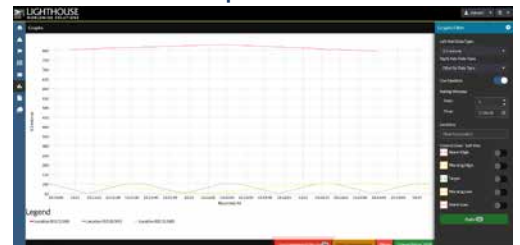
Mount, Connect, and Start Monitoring



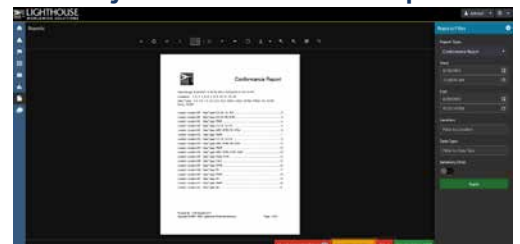
Manage Your Counters and Sensors



Review Sample Date for Trends



Easily Create and View Your Reports



System-in-a-Box Includes:



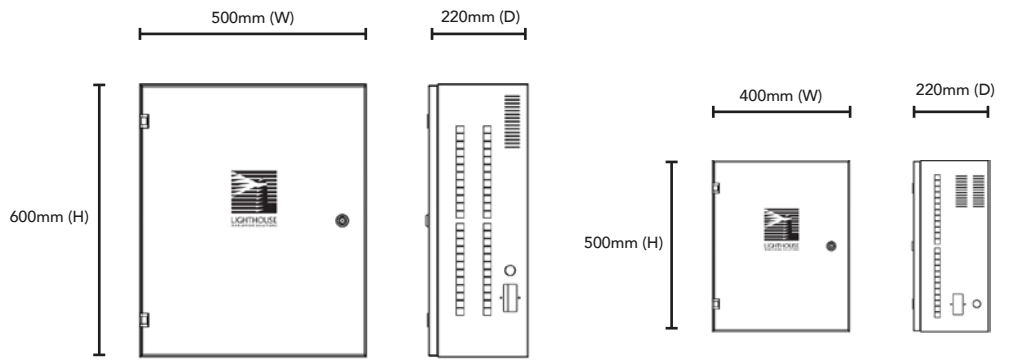
Software + Pre-wired Cabinet + Sensors

golighthouse.com
info@golighthouse.com

 **LIGHTHOUSE**
WORLDWIDE SOLUTIONS

(Toll-free) 1 800 945 5905
(International) +1 541 770 5905

System-in-a-Box



	Large Box	Small Box
Weight	22 kg / 48.5 lbs	17 kg / 37.5 lbs
Ports	48	24
Dimensions	500mm (W) x 600mm (H) x 220mm (D)	400mm (W) x 500mm (H) x 220mm (D)
Power Input	100-240 VAC, 50/60Hz, 6.1 A / 90-350 VDC, 6.9A	
Power Output	24V DC 5A / 24V DC 10A / 48V DC 10A	
Connection	Power Entry Module: IEC C14 inlet with integrated EMI/RFI filter, dual-fuse holder, and 2-pole switch — 250 VAC, 10 A	
Communication Mode	CAT 5 / CAT 6 Cable / RJ45: 24- or 48-port options	
Ingress Protection	IP20	
Supporting Software	LMS Express 9	
Supporting Browsers	Google Chrome, Microsoft Edge, Mozilla Firefox, Apple Safari (optional in MVP)	
Enclosure	1.5 mm galvanized steel sheet, matte black painted	
Environmental Conditions	Operating: +10 °C to +40 °C / 10% to 90% RH, non-condensing Storage: 0 °C to +50 °C / 5% to 90% RH, non-condensing	

Frequently Asked Questions

- What is required on site?**
 Mount sensors, connect them to the SIAB cabinet, then run a single data cable from the cabinet to your PC and install the LMS Express 9 software.
- Do web actions sync to the main program?**
 Yes—any actions or logs recorded via web access are fully synchronized with the main application.
- Is the software included?**
 Yes, LMS Express 9 is provided with the system and comes with a pre-configured database—no extra software configuration is needed after installation.

Pre-wired Cabinet Ready for Installation



- Includes:** Pre-wired control cabinet in industrial enclosure, I/O & communications list, cable schedule, cabinet layout drawings, LMS Express 9 software (included) with a pre-configured database — no additional configuration after installation, Remote commissioning & support instructions
- Optional:** Validation documentation package on request (protocols/templates)

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