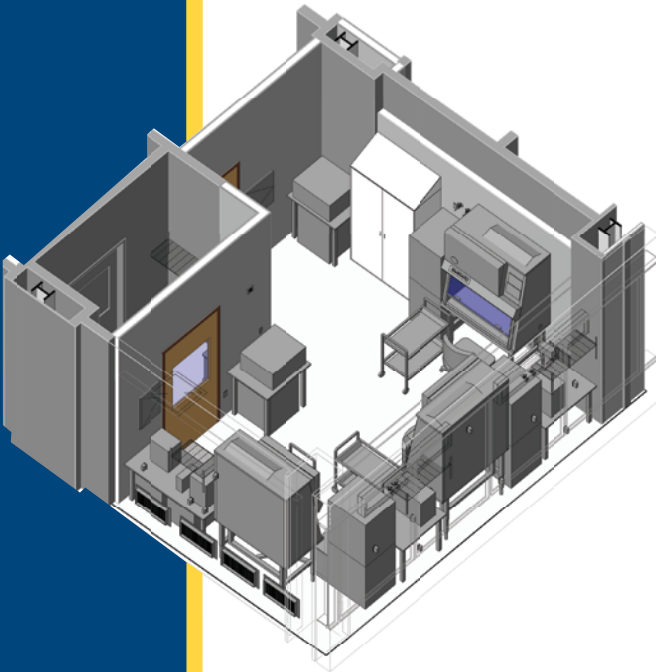


Express Monitoring System

REAL TIME ENVIRONMENTAL MONITORING



Temperature



Relative humidity



Differential pressure



Air velocity



Real time particle counters



Door status



CO₂ levels



Microbial samplers



O₂ levels



Portable particle counter



LIGHTHOUSE
WORLDWIDE SOLUTIONS

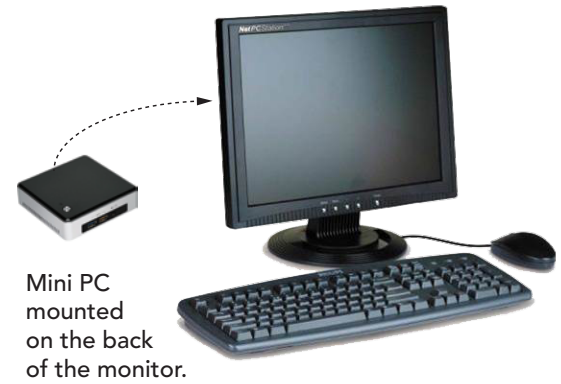
ExpressMonitoring System

The Lighthouse Express Monitoring System (EMS) monitors critical environmental and process parameters such as temperature, humidity, differential pressure, particle counts, carbon dioxide and many other environmental parameters.

The Express Monitoring System stores data on its integrated Microsoft Access database. Data is displayed via graphs, charts, maps and log files. Operators are alerted to out of specification conditions via email, text, local alarm lights and audible alarms.

Particle counters from Lighthouse can be directly integrated into the system for real-time particle counting of critical environments or portable particle count data can be downloaded into the ExpressMonitoring System.

The Express Monitoring System is a quick, easy, low cost solution for monitoring your critical environments and at the same time achieving compliance with your industry guidelines.



Sensors:

Select the parameters that you need to monitor:



Temperature



Relative humidity



Differential pressure



Air velocity



Real time particle counters



Door status



CO₂ levels



Microbial samplers



O₂ levels



Portable particle counters

EMS includes:

Computer
22" monitor
LMS Express RT Software
Keyboard and mouse
Control cabinet 24 ports, RJ45 inputs
1x8 port gateway
Power supply

Features:

Real time monitoring out of the box.
21 CFR Part 11 compliant software.
Pre-configured system.
Real time and historical data review and analysis.
Alarming notification via text, e-mail, alarm lights.
Self-executable IQ/OQ validation documents.
SOP's are included as part of the package.
Easily expandable and user intuitive.
Installation manuals and tutorial videos included.
All sensors come with a 2 year warranty.
NIST traceable calibration.

Service and Support:

Turnkey system installation services are available.
Remote and onsite technical support.
Onsite and offsite NIST traceable calibration.
Online RMA application via website.
Full validation support is available.
Service level agreements.

Pharmaceutical

Biotechnology

Medical device

Semiconductor

Universities

Start real time monitoring in your environment.

Blood Banks, Tissue Banks, Stem Cell Research, Animal Research, Compounding Labs, Hospitals, University Research, Plant Research, Electronics, Medical Device, 503B Compounding, IVF Lab

Cleanrooms

Particle counts in air, liquid and gas.
Temperature
Humidity
Differential pressure
Air velocity
Door status
CO₂ levels
O₂ levels



Refrigerators

Temperature
(0 - 30 C°)
Door status



Freezers

Temperature
(-200 - 0 C°)
Door status



BioSafety Cabinets

Partical counting
Viable sampling
Air velocity
Differential pressure



Incubators

Temperature
Humidity
CO₂ levels
Door status



Ovens

Temperature
(0 - 400 C°)
Door status



Stability Chamber

Temperature
Humidity
Door status



High Purity Gases

Pressure
Particle



Dry Box

Particle
Temperature
Humidity
Door status



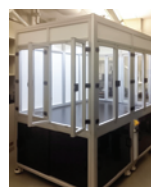
Agriculture

Particle
PAR
Temp/Hum
CO₂
Soil Moisture
Fertigation (Temp, Flow, Resistivity, pH, DO)



Mini Environments

Particle
Temperature
Humidity
Differential pressure
Air velocity
Door status



Paint booths

Particle
Temperature
Humidity
Air velocity
Differential pressure



Aerospace

Compounding pharmacies

Animal science

Agriculture

Hospitals

ExpressMonitoring System

REAL TIME ENVIRONMENTAL MONITORING

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