

Continuous Monitoring System

Monitor Temperature, Humidity, Pressure, CO₂



XpertMon® by Lives International - state of the art system controlled by our web based software, developed to provide the best real time continuous environmental information.

Access securely data stored on the cloud/local server remotely from any type of device: tablet, desktop, laptop, mobile phone etc.

Receive/Acknowledge alarms by email, sms, browser in case of events.

Sensors

temperature, humidity, pressure, differential pressure, CO₂, contact, 0-10 V analog sensors, 4-20mA analog sensors
connect unlimited number of sensors

PT-100 or Tc

range: -200°C to +400°C
accuracy: 0.1°C

Pressure

range: 0.01 to 5 bar
accuracy: 10 mbar
resolution: 0.1 mbar

Differential Pressure

range: ±100 Pa
accuracy at 23±5°C: ±1.5 % FS

Humidity

resolution: 0.1Pa
range: 0 to 100%
accuracy: 2%

Carbon Dioxide

resolution: 0.01%
range: 0 to 20%
accuracy: 0.5%
resolution: 0.01%

Display

LCD 2.9"

Power

main voltage / batteries (2 x 3.6 AA Lithium batteries)

Data

wireless towards the gateway

Transmission

radio frequency (RF)

Storage

internal memory, cloud, local server

Access

desktop, laptop, tablet, smartphone

Alarms

on local display, email, sms, browser

Wireless range

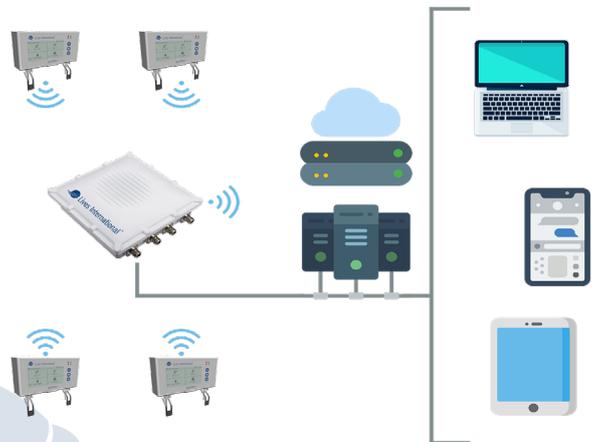
5km line of sight

FCC, ETSI, EMC, Electrical Safety compliant

Gateway

XpertMon Gateway allows all the monitoring nodes in that area to connect to the network through various types of connections.

The gateways transmit secured data to the server using the local network or GSM/LTE mobile network
IP67/NEMA-6 industrial-grade enclosure with cable glands
PoE + Surge Protection
backhaul: Wi-Fi, LTE, and Ethernet
up to 5 hours of autonomous work on battery (Battery + Solar Kit optional)
operating temperature range: -30°C ~ +55°C
dimensions: 220mm x 220mm x 104mm
weight: approximately 5.05kg including the mounting kit
FCC, ETSI, EMC, Electrical Safety compliant



Order Reference
XPERTMON

