

## Continuous Monitoring System

Monitor Temperature, Humidity, Pressure, CO<sub>2</sub>



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, CO<sub>2</sub>, 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  
resolution: 0.01°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  
resolution: 0.1Pa

#### Humidity

range: 0 to 100%  
accuracy: 2%  
resolution: 0.01%

#### Carbon Dioxide

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

### Display

#### 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

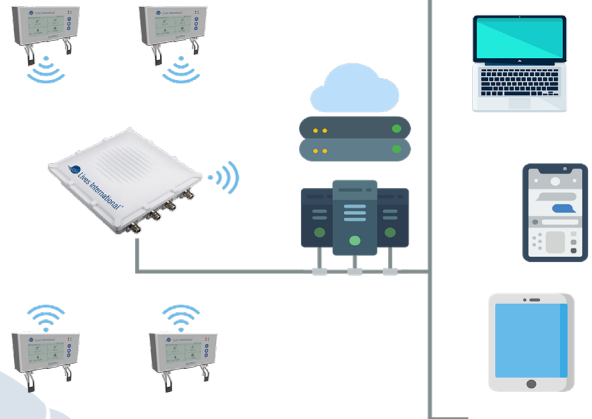
5km line of sight

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

