PPM techn•logy

Touch Screen IAQ Profile Monitor

The Touch Screen, IAQ Profile Monitor is a stand-alone Indoor Air Quality (IAQ) monitoring unit, capable of continuously monitoring multiple IAQ parameters. Built with an integrated 4.5" 'touch screen' panel, sensor readings are displayed continuously and in real time.

- A compact IAQ monitor for use as part of buildings management standards.
- The user is able to navigate through the software and various sensor options simply by touching the touch screen panel.
- The unit includes a built in USB port for downloading data quickly and easily.
- Each unit is configurable with up to 8 parameter sensors.
- Can be used as a stand-alone monitor or to manage many other wireless units using ZigBee wireless mesh technology as part of a wider IAQ monitoring network.

Functions and Applications

- IAQ complaint investigation and analysis.
- HVAC system performance analysis.
- Health and comfort assessment.
- Labour saving and cost-effectiveness.
- Energy efficiency.
- Ensuring safety of building occupants.
- To comply with national safety regulations and legislation.

Exporting Data Options

Data can be downloaded via USB or WiFi as a csv file or PPMonitor format for enhanced graphical and reporting on a Windows based PC. Data could also be set to upload automatically to a Cloud database using WiFi option.

The bespoke PPMonitor 'touch screen' software allows simple control and navigation; the user can view the data graphically with statistical data, create monitoring schedules, as well as enable alarm functions and notifications for more effective and economical building

![PPM technology logo]

SPECIFICATIONS

Mains Powered: 12v DC via external DC adaptor with 2.1mm diameter jack plug

Operating Range: 0 - 45 °C, 15-90%RH

Display: 320 x 240, Resistive Touch

Dimensions: 240mm x 240mm x 55mm (Houses 8 IAQ sensors)

Easy to Install: Wall mounted via VESA standard bracket.

Software: TSU IAQ Management software

Sampling Rate: 8 data values per minute.

ZIGBEE WIRELESS

Low Power 2.4GHz IAN Band

Data Rate: 250kbit/s over the air data rate channels 16 channels
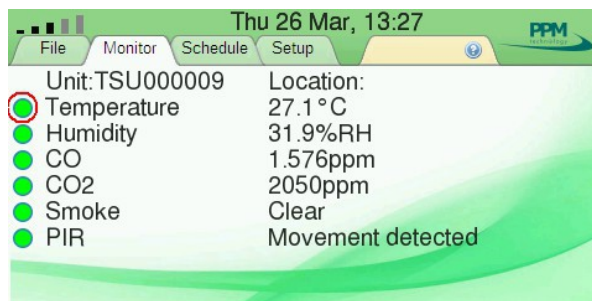
Power:+3dBm output, +5dB boost mode

Sensitivity: High sensitivity of – 98dBm typical at 1% packet error rate

Antennae options for coverage requirements

SERVICES

- Technical Support
- Calibration & Service
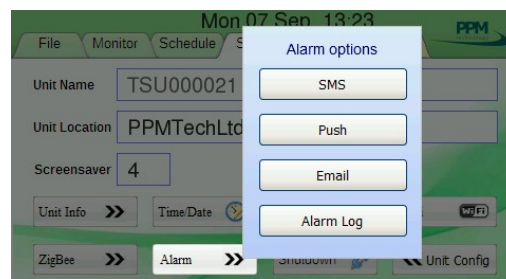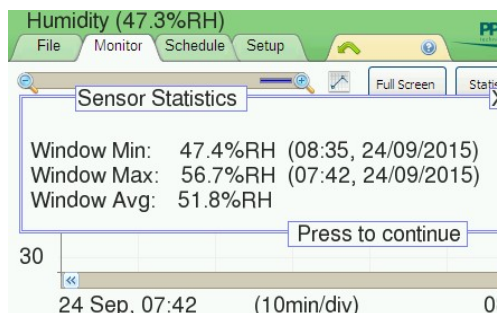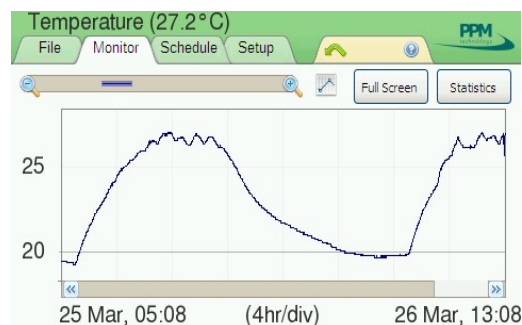- Upgrades
- Bespoke System Development

PPM Technology's Touch Screen IAQ Profile Monitor enables instantaneous monitoring of a number of parameters within a single instrument to give a detailed visual representation of a building's air quality. The system can show precise changes in concentration of the IAQ parameters over time.

A typical screen shot of Home Page showing real time data for the various IAQ parameters.

Various other screen shots:

- Temperature Profile
- Humidity Statistics
- Alarm Options

Sensor Options - The Touch Screen IAQ Profile Monitor incorporates a variety of advanced gas sensor technologies to monitor the target gases including NDIR for CO_2, PID for TVOC and Electrochemical for CO, NO_2 & SO_2. Full list of available sensors options detailed on website.

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