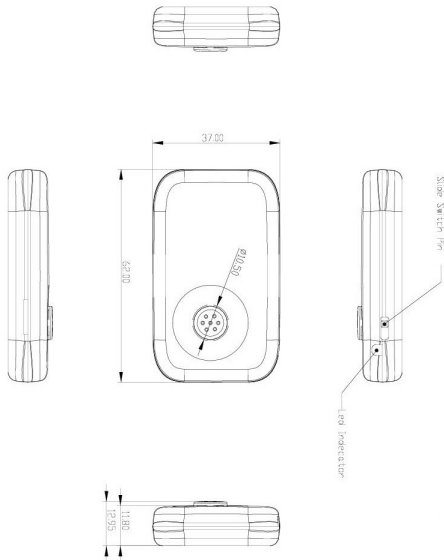




pLink wireless GAS monitor



37mm x 62mm x 11.8mm

Overview

pLink wireless GAS monitor is a low cost, compact, long battery life and easy installation gas monitor system. It is available for a variety of target gases. The BLE wireless capability is good for zero cost installation and monitoring from anywhere anytime.

Features

- A variety of target gases
- High performance and accuracy
- Long life/Low power battery operation
- BLE & Android APK provided
- Fast response

Target Applications

- Air Quality Monitoring
- Industrial Safety Monitoring and Detection
- Air Purification Control
- Health care
- Bad Breath/Halitosis Respiration Sensing
- IoT

Specifications

System Information

- ◆ Processor: ARM Cortex M3 up to 48Mhz
- ◆ Power: Replaceable CR2032 3.0V coin cell
- ◆ Communication: Bluetooth Low Energy
- ◆ Operating voltage from +3.0Volts to +2.4Volts

Environmental

- ◆ Operating Temp.: 0 to 50°C
- ◆ Operating Humidity: 5 to 95% RH
- ◆ Storage Temp.: -40 to 85°C (-40 to 185°F)

Target Sensors

- ◆ Measurement type: Electrochemical
- ◆ Individually Calibrated(NIST Traceable). All gas sensors are tested and calibrated from sensor manufacturer
- ◆ Expected operating life > 5 years (10 years@ 23+/-3°C & 40+/-10% RH)
- ◆ Response time: <60s
- ◆ Accuracy: +-2%

Target Gas	Max Range
Carbon Monoxide – CO	1000 ppm
Hydrogen Sulfide – H2S	50 ppm
Nitrogen Dioxide – NO2	20 ppm
Ozone – O3	20 ppm
Sulfur Dioxide – SO2	20 ppm
Ethanol – CH6O	1000 ppm

Note

- ◆ Continuous operation (10 days+) at low relative humidity (< 15%) and/or high temperatures(> 40 °C) can cause loss of sensor sensitivity (nA/ppm) in some sensors.

Power consumption (in average)

- ◆ < 60uA (Standby)
- ◆ < 200uA (Connected)

Package

- ◆ Dimension(in mm):37(W)x 62(L)x 11.8(H)

Bundled Android Readout APP

- ◆ Support above Android 4.2 device
- ◆ Warning Threshold setting
- ◆ Scan frequency from 0.1Hz~10Hz
- ◆ Calibration Offset setting
- ◆ Automatic detection of sensor type, ppm range, TIA gain information

About Portalinks Technology

Portalinks Technology Corp. located in New Taipei City, Taiwan, designs and develops embedded system solutions, for wide-ranged kinds of applications e.g. PDA, Tablet, In-home Display, Multimedia devices, eReader, Medical devices, automation controllers and other common bus infrastructures. From the beginning in 2003, customized solutions offering longevity are a strong part of Portalinks business as well. Successfully deployed products span from embedded modules up to fully integrated systems and products.

pLink board series is a new member to expand our product portfolio. This flexible and modular can be used for both, evaluation purposes of processor technology and directly integrating in customers' system of production.

The pLink™ board utilizes a 32bit high performance and low power RF SoC. With their low power consumption and compact dimensions, pLink boards are powerful integrated field controllers suitable for applications in Automotive, Industrial Automation, Medical, Railways & Transportation, Construction and or Defense market segments. Through various onboard I/Os and expansion IO modules, they provide versatile options to satisfy a wide range of application requirements.

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