




ISO9001:2000  
Certified

*Gas Detection Technology*

## **Model PT2008 Multi-channel Gas Monitor**

### **Features**

- Large Graphic display (240 x 128 Pixels)
  - Optional Historical data Logging with Real time clock calendar
  - Sensor interface: 4-20mA transmitter or Addressable serial IO type
  - Up to 16 Input channels for analog sensors (PT295 series) or 24 addressable sensors (Ultra1000 series)
  - Easy Configuration using keypad switches on the front panel
  - Programmable sensor location or tags
  - Programmable for various toxic and combustible gases, Pressure switches and pressure transducers.
  - Six (6) fully programmable alarm relays and 1 Sensor malfunction or communication fail relay.
  - Low power suitable for use in remote areas with solar power.
  - Interface to Multiple Remote Relay modules.
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- The image shows the PEMTECH Model PT2008 Multi-channel Gas Monitor. It is a rectangular, white, weatherproof enclosure with a hinged door. The front panel features a large green LCD display showing a grid of data. Below the display is a keypad with several blue buttons. To the right of the keypad are three indicator lights: a yellow one at the top, and two red ones below it. The PEMTECH logo is visible at the top of the display area.
- Weatherproof Fiberglass enclosure
  - Complete Digital data communication using RS485 MODBUS RTU protocol
  - Optional Wireless Radio Interface Module. Operating Frequency 900 MHz

## Model PT2008 Multi-Channel Gas Monitor

### Specifications

#### Sensor Interface

- Standard 4-20mA transmitter (PT295 Series).
- Addressable Sensor with MODBUS RTU Communication. (Ultra1000 Series)
- Maximum of 16 analog sensors or 24 addressable sensors

#### Enclosure

Nema 4X Fiberglass Enclosure with Clear window

#### Operating Temperature

-50°C to +85°C

#### Operating Humidity

15% to 90% RH, non-condensing

#### Display

240 x 128 Pixels Graphic Display  
With back light

#### Status Indicators

Yellow and Red LED alarm Indicators

#### Ordering Information

P/N	Description
PT2008-8FG	8 Channel Fiberglass with 110/220 VAC power supply (Analog Input sensors)
PT2008-16FG	16 Channel Fiberglass; 24VDC Power Input (Analog input sensors)

#### Enclosure Dimension

Length: 14 inches

Width: 12 inches

Height: 6.5 inches

#### Historical data Logging

Historical Alarm / Event Log with date and time stamp. Maximum of 300 Event **log** records. Data download to laptop computer using Windows Hyper Terminal utility program.

#### Optional Radio Interface Module

Typical Distances : 5 Miles Clear line-of-sight with a dipole antenna  
Up to 20 miles with high gain Antenna

#### Alarm Relays

Six (6) Each Form "C" type relays  
Rated at 5 Amps AC/DC

#### Input Power

- Internal 110/220 VAC power supply for standard 8 Channel Controller.
- External power supply for 16 channel controller. Nominal 24VDC power Input.

#### Serial Interface

RS-485 MODBUS RTU at 9600 Baud.