



## Model PT2008 Gas Monitor Multichannel Stainless Steel Enclosure

### 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
- Eight (8) 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.



- Stainless Steel Enclosure
- Interface to Multiple Remote Relay modules
- Complete Digital data communication using RS485 MODBUS RTU protocol
- Optional Wireless Radio Interface Module. Operating Frequency 900 MHz

## Model PT2008 Multi-Channel Gas Monitor *(stainless Steel Enclosure)*

### 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 Stainless Steel Enclosure with Clear window  
*(Optional Purge Kit available for pressurized enclosure)*

#### 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-SSA	8 Channel with 110/220 VAC power supply (Analog Input sensors)
PT2008-SSM	8 Channel with 110/220 VAC power supply (Serial Sensor Interface)

#### Enclosure Dimension

Length: 14 inches  
Width: 14 inches  
Height: 7 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.

#### Serial Interface

RS-485 MODBUS RTU at 9600 Baud.

### **Pem-Tech, Inc.**