



ISO9001:2000  
Certified

**Gas Detection Technology**

## **Model PT605 On-Stream H<sub>2</sub>S Analyzer**

### **Features**

- High reliability
- Easy Automated Calibration
- Three (3) Programmable alarm relays
- 4-20mA analog output
- RS232/485 Serial Interface



### **Description**

Model PT605 on stream monitor / analyzer has been designed for the detection of Hydrogen Sulfide gas in Process Streams and Natural Gas Pipeline. The system is cost effective yet highly accurate and reliable. An industry standard 4-20mA output and three programmable alarm relay contacts are provided. These relay contacts can be used to control shut in valves. A large LCD display with back light and push button switches on the front panel are provided for easy user interface calibration.

Also available are real time clock and non-volatile memory for historical data logging. The unit is MODBUS RTU serial communication compatible with PLC's, SCADA, and DCS systems. PT605 Analyzer provides complete status like current gas concentration, last successful calibration date & time and current alarm status via MODBUS link. The alarm levels can also be accessed and programmed via MODBUS.

## Model PT605 On-Stream H<sub>2</sub>S Analyzer

### Specifications

<b>Range:</b>	Available in three different ranges 0-25, 0-100, 0-200 & 0-1000 PPM (parts per million) <i>(Call factory for other available ranges)</i>
<b>Method of Detection:</b>	Electrochemical Sensing Technology
<b>Electrical Classification:</b>	Class I, Div 1 Suitable for use in Hazardous Location
<b>Mounting Options:</b>	Panel mount 25"W x 20"H x 7"D OR Fiberglass enclosure 24"W x 36H x 10"D
<b>Weight</b>	Panel Mount: 35 Lbs (17 Kg) Fiberglass enclosure: 60 Lbs (27 Kg)
<b>Sample Gas Physical properties:</b>	Dry and particle free Temperature: 10 °F to 110 °F (4 °C to 50 °C) Maximum inlet pressure 2000 PSIG
<b>Sample inlet Tube Fittings:</b>	¼" Stainless Steel tube fittings
<b>Repeatability:</b>	When challenged with same calibration gas, within ± 0.2 ppm for 0-25 ppm, ± 3 ppm for 0-200 ppm &
<b>Alarm Relays:</b>	3 each SPDT fully programmable dry relay contacts rated 5 amps @ 125 VAC or 24 VDC
<b>Analog Output:</b>	4-20 mA ( 350 Ω maximum loop resistance )
<b>Display:</b>	Large 4 lines by 16 character LCD display with back light.
<b>Peripheral and Interface (Optional):</b>	Real time clock calendar with non-volatile RS232/485 serial communication.
<b>Supply Voltage:</b>	18-28 VDC 117 VAC (240 VAC option available)
<b>Power Consumption:</b>	< 4 watts
<b>Warranty:</b>	1 years limited on electronics and workmanship
<b>Ordering Information:</b>	Part Number: 605-H-25 Range: 0-25 ppm 605-H-100 Range: 0-100 ppm 605-H-200 Range: 0-200 ppm

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