



ISO9001:2000  
Certified

*Gas Detection Technology*

## Model PT605 On-Stream CO<sub>2</sub> 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 Carbon Dioxide 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 CO<sub>2</sub> On-Stream Analyzer

### Specifications

<b>Measuring Range:</b>	• 0 - 5000 ppm, 0-5%, 0-10, & 0-100% by volume
<b>Electrical Classification:</b>	Class I, Div 1 Suitable for use in Hazardous Location
<b>Mounting Options:</b>	Panel mount 24"W x 22"H x 7"D (Optional fiberglass enclosure: 26"W x 26H 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: 32 °F to 122 °F (0 °C to 50 °C) Maximum inlet pressure 1500 PSIG
<b>Sample inlet Tube Fittings:</b>	¼" Stainless Steel tube fittings
<b>Accuracy:</b>	±2% of the reading
<b>Resolution/Repeatability:</b>	±1% of full scale (challenge with the same sample gas)
<b>Alarm Relays:</b>	3 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 with back light.
<b>Peripheral and Interface:</b>	Real time clock calendar with non-volatile memory RS232/485 serial communication
<b>Supply Voltage:</b>	18-28 VDC or 117 VAC (240 VAC option available)
<b>Power Consumption:</b>	< 4 watts

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