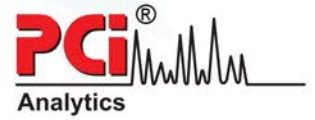


# LOW GAS ALARM SYSTEM



Low gas alarm panel is used to monitor the low pressure level of cylinder, the contact gauge / pressure transmitter used in this system helps to give 4 - 20 mA or NO/NC signal to panel to monitor the cylinder empty and filled position.

### Specifications of low gas alarm system :

- Fully electronic
- Dual colour / multi colour LED to show the status of cylinder
- Pressure set point (user adjustable)
- External hooter can be connected
- Acrylic body enclosure
- Single or multiple gauge connection provision
- Power supply 230V, 50Hz
- Micro controller based contact gauge



Low Gas Alarm Panel

### Contact Gauge :

Contact gauge is used to produce visual and acoustic warning of low gas supply pressure to monitor the cylinder pressure.

### Technical Specifications :

- Measuring element : Bourbon tube
- Diameter : 50 mm / 100 mm
- Design : Chemical-safety version DIN 16063
- Housing : Brass / SS 316
- Measuring element : CrNi-steel 1.4571, circular form / copper-zink-alloy
- Inspection glass : Polycarbonate
- Nominal pressure : 230 bar/ 300 bar
- Display range : see gauge scale
- Gas suitability : All gases
- Contact : inductive slit sensor (in accordance with NAMUR)
- Protection class : II 2 G EEx ia IIC T6, PTB 99 ATEX 2219 X
- Connection : NPT 1/4"m outside thread



### Pressure Transmitter :

Pressure transmitter is used to produce 4-20 mA to low Gas Alarm Panel to monitor the cylinder pressure.

### Technical Specifications :

- Service : Compatible gases and liquids
- Wetted materials : Type 316L SS
- Accuracy : 626: 0.25% FS; 626: 0.20% RSS; 628: 1.0% FS; 628: 0.5% RSS; 626 Absolute Ranges: 0.5% FS; 626 absolute ranges: 0.30% RSS. (Includes linearity, hysteresis and repeatability)
- Temperature limit : 0 to 200°F (-18 to 93°C)
- Compensated temperature range : 0 to 175°F (-18 to 79°C)
- Thermal Effect : ±0.02% FS/°F (includes zero and span)
- Pressure Limite : see table
- Power requirements : 10-30 VDC (for 4-20 mA, 0-5, 1-5, 1-6 VDC outputs); 13-30 VDC (for 0-10, 2-10 VDC outputs); 5 VDC ±0.5 VDC (for 0.5-4.5 VDC ratio-metric output), 10-35 VDC (for 4-20 mA with - CB option), 13-35 VDC or isolated 16-33 VAC (for selectable output with - CB option)
- Response Time : 300 ms



### Installation of Diagram

