



- ✦ Fast Response in < 10 Second
- ✦ 2 Nos. Independent Set Points with Audio Visual Alarm for Limit Violation

- ✦ Digital Seven Segment LED Screen Display
- ✦ Suitable In Gas Hazardous Area: (Ex db IIC T6), (Ex tb IIC 85 C Ob) & IP-65 Approved

**PRODUCT FEATURES**

- ✦ Micro Controller based Highly Accurate, Reliable and High Performance based Technology.
- ✦ Fast and Reliable Output by using Electrochemical / Pellistor / PID / Semiconductor / Catalytic Sensors.
- ✦ Optimized design for detection of smallest leak of Gas.
- ✦ Onsite Replacement & Calibration of Sensor whenever required.
- ✦ Process Parameter High and Low LED Status Indication with Audible Buzzer / Flasher for Limit Violation.
- ✦ Digital seven segment LED Display for Monitoring of GAS Concentration.
- ✦ 3 level Password Protection for Configuration and Calibration.
- ✦ Isolated 4 - 20 mA Process Value Re-Transmission Output.
- ✦ All Configuration and Calibration from front Keypad or Touch-pad.
- ✦ Modbus RTU Multidrop RS485 / RF-Wireless / Wi-Fi / Bluetooth Communication Port Available.
- ✦ Display Indication for "Sensor Open", "Over Range" & Sensor Change or Replace.



Weatherproof Housing

**TECHNICAL SPECIFICATION**

<b>Measurement Principle</b>	Electrochemical
<b>Detection Method</b>	Natural Diffusion
<b>Gases Detected</b>	Hydrogen Chloride (HCL) [0 - 20 ppm]
<b>Display</b>	Seven Segment LED Display / Touch Screen LCD Display
<b>Resolution</b>	0.01 ppm
<b>Control Action</b>	1) Two Nos. Alarm for High and Low setpoint 2) User selectable Hysteresis & Logic Option
<b>Setting</b>	Front Capacitive Finger Touch Key Pad
<b>Accuracy</b>	+/- 2% of Full Scale
<b>Response Time</b>	< 20 Sec.
<b>Startup Time</b>	< 30 Sec.
<b>Supply Voltage</b>	18 - 36 V DC (Typically 24 V DC)
<b>Power Consumption</b>	3.5 Watts
<b>Output Signal</b>	4 - 20 mA DC Re-Transmission with User Configurable Range Selection
<b>Communication</b>	RS485 Modbus RTU/ RF - Wireless Communication
<b>Error Detection</b>	During Sensor Break Or Open Display Shows "SENSOR OPEN" & During Over Range Display Shows "OVER RANGE"
<b>Operating Temperature</b>	-10 to 50 °C
<b>Storage Temperature</b>	-10 to 60 °C
<b>Humidity</b>	< 95 % Non Condensing
<b>Protection Class</b>	IP65 / IP66 / IP67
<b>Approval</b>	CMRI approved for IIA & IIB or IIC Gas Group
<b>Enclosure Material</b>	Cast Aluminium alloy, LM-6 Construction
<b>Cable Entry</b>	3 Nos. Cable Entry 3/4 ET Type
<b>Mounting</b>	Wall / Pipe / Stand Mounting