

TS21I-CAT-HC Industrial Grade Hydrocarbon Gas Leak Detector



Product Description:

TS21I-CAT-HC gas detector is suitable for all Hydrocarbon gases. Application area of this detector is Refineries, Chemical plant, LPG station, Gas Boiler, and Spray-Paints etc where gas leakage is possible. It reads the gas concentration in Air and transmits to a detection panel over digital bus as well as it shows LEL level on display. Catalytic type of gas sensor is used in this detector, This sensor provides good reproducibility, good performance against changes in atmospheric temperature and humidity. It has a long life-span and easy operation. Detector has provision to set Two alarm levels of warnings.

PFC Relay output is provided and this output can be connected to the conventional Gas Detection Panel OR SCADA system.

For BMS connectivity detector has provided **RS485** output.

Catalytic sensor is used in this model.

(Additionally 4-20mA and Selectable 0-5 V & 0-10V Analog output could be also available).

Enclosure used is suitable for Zone 1 & Zone 2 hazardous areas.

Note : Enclosure depicted above is indicative. Specs subject to change without notice.



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Product Features & Specifications:

- Gas Sampling by Natural diffusion
- Detection Range—0-100% of LEL
- Preset Alarm Levels a) Low Alarm Level b) High Alarm Level
- Auto Calibrated
- Response Time(< 2Sec.)
- Catalytic sensor is used
- PFC Relay NO or NC PFC O/P and It will be Selectable Latching type or Pulse Type
- Fire Proof Enclosure is used.
- Sensor Life : Up to 5 years
- Analog O/P : Selectable 0-5 V & 0-10V output
- 4-20mA current output

Technical Specifications:

Gas Sampling	Natural diffusion	Detection Range	0% LEL to 100% LEL
Gas Sensor Type	Catalytic	Output	Four Digit 7-Segment Display PFC Relay, (NC & NO)
Power supply	24VDC	Extra Outputs	RS-485, Valve output. 4-20mA Output 0-5V & 0-10V Output
Power Consumption	2W Max.	Working Temperature	0°C to 50°C

Applications:

