



GS-LEL-01

LEL DETECTOR

Introducing the GS-LEL-01 by Futuristic — a cutting-edge Lower Explosive Limit (LEL) detector designed for precision and safety in industrial environments. Encased in a flameproof aluminum LM-6 body certified by CIMFR, Dhanbad, it is approved for use in Gas Groups Areas I, II, IIA, and IIB.



Equipped with a Japanese catalytic combustion sensor, the instrument ensures reliable measurement of Hydrogen, Methane, Isobutane, Propane, and LPG. Featuring a 0-100% measuring range, a 4-20mA output, and optional relay and RS-485 Modbus communication, the GS-LEL-01 offers flexibility and adaptability to diverse operational needs.

As a robust solution for preventing explosions and fires, this instrument by Futuristic sets the standard for safety in the face of evolving industrial landscapes.

FEATURES

- Gas Compatibility- LEL measurement capability for Methane, Isobutane, Propane, LPG, and Hydrogen.
- Certification - Robust construction with an Aluminum LM-6 body certified by CIMFR Dhanbad, suitable for use in Gas Group Areas I, II, IIA, and IIB.
- Sensor Technology - Utilizes a high-performance Japanese catalytic combustion sensor for accurate and reliable measurements.
- Measurement Range - Wide measuring range from 0 to 100% LEL, providing comprehensive coverage for potential gas concentrations.

APPLICATIONS

- Pharmaceutical Manufacturing
- Chemical Industry
- Oil and Gas
- Battery Bank Room

SPECIFICATIONS

Make	Futuristic
Model	GS-LEL-01
Gases Detected	Combustible gases and vapour concentration
Sensor	Catalytic combustion sensor (Japan)
Range	0-100% LEL
Display	0.8", 3½ digit LED Display
Enclosure	Flameproof aluminium LM-6 body certified by CIMFR Dhanbad for use in Gas Groups Areas I,II,IIA & IIB.
Accuracy	±2% F.S.
Relay	2 X Relay outputs (NO/CO/NC), 2 Amps rating
Communication	Optional RS-485 Modbus protocol
Analog Outputs	Industrial standard 4-20mA retransmission
Power Supply	24 VDC, 300 mA
Cable Gland Entries	2 Nos. cable gland entries for 3/4" ET

SPECIFICATIONS

LEL Gas Detector	GS-LEL-01		
Mounting Type	XX	WN	Wall Mount
Relay	XX	NN	None
		02	2 SPDT Relay, 2A
Flasher + Buzzer		N	None
		1	Flasher + Buzzer
Comm. Port	X	N	None
		1	RS485, Modbus
Display	XX	NN	Without display
		D1	3½ Digit LED Display

Example Code : GS-LEL-01-WN-02-1-1-D1



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