



CI-2200

Crimscint's advance micro-processor technology with data display, fast response, high precision and good stability, our Gas Transmitters are suitable for detecting Oxygen, combustible and toxic gases in hazardous areas at industrial plant location. The Products adopts the integrated design of sound and alarm which can effectively warn all kind of gas leakage hazards. This state-of-the-art transmitter is carefully designed and manufactured with industrial grade components for reliability, accuracy and long life.

Features

- PESO /CMRI CERTIFIED.
- Explosion Proof / Weather Proof.
- IP 66 Rating.
- Capable of detecting in PPM,% LEL,% v/v.
- Digital Display of Gas Concentration on LED Display.
- Analog industry output 4-20 mA.
- Digital Communication on RS485.
- 2 Configurable Potential free relays contacts.
- Span and Zero Calibration functions , make the detection more accurate and reliable.
- Fault Diagnosis & self testing Alarm LED's with relay. 2,3 or 4 wires technology

Application

- Gas Cylinder Bank.
- Gas Pipeline Projects.
- Gas metering station.
- Refineries.
- Petrochemical Plants.
- Pharmaceutical Plants.
- Pollution Monitoring.
- Power Industries.
- Chemical Plant.
- Laboratories.
- Waste water treatment Plants.
- Iron and steel Plants.
- Acid Alkalis & Dyes mfg. Plants.
- Automotive Industries.

Gas Sensor Modules Available For Gases

Gas Name	Range	Resolution	Sensor Technology
Acetylene	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Acrylonitrile*	0-100PPM	1 PPM	Electrochemical
Ammonia	0-100PPM	1 PPM	Electrochemical
Ammonia	0-1000PPM	1 PPM	Electrochemical
Bromine	0-20PPM	0.1 PPM	Electrochemical
Butanol	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Carbon Dioxide	0-5% V/V	0.01% V/V	NDIR
Carbon Dioxide	0-100% V/V	1% V/V	NDIR
Carbon Disulfide*	0-100PPM	1 PPM	Electrochemical
Carbon Monoxide	0-1000PPM	1 PPM	Electrochemical
Chlorine	0-20PPM	0.1 PPM	Electrochemical
Formaldehyde*	0-10PPM	0.1 PPM	Electrochemical
Hydrocarbon	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Hydrogen	0-100PPM	1 PPM	Electrochemical
Hydrogen	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Hydrogen Cyanide	0-100PPM	1 PPM	Electrochemical
Hydrogen Chloride	0-20PPM	0.1 PPM	Electrochemical
Hydrogen Fluoride	0-10PPM	0.1 PPM	Electrochemical
Hydrogen Sulfide	0-100PPM	1 PPM	Electrochemical
LPG	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Methane	0-100% LEL	1% LEL	Pellistor/Catalytic Bead
Mercaptan	0-20PPM	0.1 PPM	Electrochemical
Nitrogen Dioxide	0-20PPM	0.1 PPM	Electrochemical
Oxygen	0-25% V/V	0.1% V/V	Electrochemical
Ozone	0-1PPM	0.01 PPM	Electrochemical
Phosphine	0-10PPM	0.01 PPM	Electrochemical
Phosgene*	0-1PPM	0.01 PPM	Electrochemical
Styrene*	0-100PPM	1 PPM	Electrochemical
Sulphur Dioxide	0-20PPM	0.1 PPM	Electrochemical
VOC (Isobutylene)	0-1000PPM	1 PPM	PID
VOC (Isobutylene)	0-40PPM	0.1 PPM	PID

Technical Specification

Operating Voltage: 12 VDC-28 VDC (Typically 24VDC)

Power Consumption: Less Than 3 watt.

Enclosure: Flameproof – Cast Aluminium alloy or SS316.

Cable Entries: M20 (2 entries)

Size:120mm x 100mm x 100mm (without Cable Gland and Stopper)

Weight: 2.00 kg (Approx).

Output Signal: Industry Standard 4-20 mA, RS485, 2 Relay.

Accuracy: ±2% of Full Scale.

Ingress protection: IP66.

Body Coating: Epoxy coating.

Operating Temperature: 20°C to 60°C.

Operating Pressure range: Ambient +/-10%.

Operating Humidity Range: 0-95% RH(non-condensing)

Mounting : Wall Mounting / Stand Mounting / Pipe Mounting

Standards complied: EN/IS/IEC: 60079-0

EN/IS/IEC: 60079-1 / IEC: 61508

