



AMBETRONICS
AN ISO 9001:2015 CERTIFIED COMPANY



LPG/PNG/CNG Gas Leak Detection System for Commercial, Domestic & Industrial Applications

Visit our Factory for Live Demo

30+
YEARS OF EXCELLENCE

Manufacturer of :

- LPG /PNG Gas Detectors
- Combustible Gas Detectors
- Portable Gas Detectors
- Toxic Gas Detectors
- Oxygen Gas Detectors
- VOC Gas Detectors
- Wireless Gas Detectors
- 3IR/UV Flame Detectors
- Heat Detectors
- Hydrogen Analyzer
- Bio Gas Analyzer
- Trace Oxygen Analyzer
- Dew Point Analyzer
- IoT Based Remote Alert/Alarm system with data on cloud.

Services For :

- On site Installation and commissioning
- On site Calibration Services
- On site AMC/ CMC
- Customize Development

Widest Range of Gas Detection Systems Manufacturing in India

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.
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Gas Leak Detector for Domestic Kitchens for detecting leak of LPG/CNG /PNG/Natural Gas/Flammable Gas

GLA-222-T/B

External Sensor

- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Helps to detect Gas & Excess Temp. indication
- Easy installation, simple Plug-in design for home use, 230VAC powered.

Inbuilt Sensor

GLA-222-B-WL

- Semiconductor Technology
- Optimised for detection of smallest gas leak with integrated Buzzer & LED indication and sends alert & ok status to the master device wirelessly
- Easy installation
- 230VAC powered.

GLA-222-WP

- Gas Sensor - Semiconductor
- Gas Sampling - Diffusion
- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Warm up time - 1 min
- Alarm Method - Visual & Audible
- Helps to detect Gas & Excess Temp. indication

GLA-222-FLP

- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Gas Sampling - Diffusion
- Helps to detect Gas & Excess Temp. indication
- Alarm Method - Visual & Audible
- Warm up time - 1 min

LPG / PNG / CNG Gas Leak Detector

GT-4220-WP

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay and Integrated Hooter cum Flasher (Optional)
- Isolated RS-485 O/P
- IP65 Enclosure

GT-4220-FLP

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay & Integrated Hooter cum Flasher (Optional)
- Isolated RS-485 O/P
- Ex d IIC T6 Gb • IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-4000-WP

- 2 Line L.E.D. Display
- 3 Wire
- 4-20mA O/P
- IP65 Enclosure

GT-4000-FLP-HCF

- 2 Line L.E.D. Display
- 3 Wire
- 4-20mA O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-2500-WP-HCF

- 2 Line L.E.D. Display
- 3 Wire, 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P
- IP65 Enclosure

GT-2500-FLP-HCF-JB-90

- L.E.D. Display
- 3 Wire with HART
- Isolated RS-485 O/P
- With Hooter cum Flasher (Optional)
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

GT-2500-FLP-HCF-JB-IIC

- L.E.D. Display
- 3 Wire with HART
- Isolated RS-485 O/P
- With Hooter cum Flasher (Optional)
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Portable Single Gas Detector

PG-140

- Simple one-button operation
- Easy to read display
- Rechargeable lithium battery
- ABS plastic housing & silicon protective cover
- Excellent anti-drop performance with Sound
- Small, compact and light-weight.

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-2511-WP-HCF

- L.C.D. Display
- 3 Wire, 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P
- IP65 Enclosure

GT-2511-FLP-HCF-JB-90

- L.C.D. Display
- 3 Wire with HART
- Isolated RS-485 O/P
- With Hooter cum Flasher (Optional)
- Ex d IIC T6 Gb
- IP68 Enclosure

GT-2511-FLP-HCF

- L.C.D. Display
- 3 Wire with HART
- With Hooter cum Flasher (Optional)
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Portable Pump

PP-100

- Intrinsically safe
- Portable & light weight
- Detection Method - Suction
- Flow rate of 500 ml / min.
- 50,000 log records
- Sampling jam detected by L.E.D.
- Easy to operate

Portable Single Gas Detector

PG-100-G

- Intrinsically safe
- External Sensor with Flexible Gooseneck Probe
- EC/Catalytic/NDIR/PID
- STEL / TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

PG-100-D

- Intrinsically safe
- Diffusion Type
- EC/Catalytic/NDIR/PID
- STEL / TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

PG-100-S

- Intrinsically safe
- Suction Type
- EC/Catalytic/NDIR/PID
- Integrated pump
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

PG-130

- programming with 2 keys Operation.
- OLED display of Gas Concentration in %V/V / %LEL / PPM.
- "Calibration due" indication & Alert.
- "Sensor Open/Over" Range Indication.
- Battery status indication
- battery charging indication
- LOW BAT indication with Buzzer Beep sound.
- Small, compact and light-weight.

Portable Single Gas Detector

PG-200-D

- EC/NDIR sensor
- 2-Line LCD with backlight tri-colour display (Red/Green/Blue)
- STEL / TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface

UV & Triple IR Flame (Radiant Energy) Detector

FLD-3311-WP-HCF

- UV & 3IR Detection
- Fast response < 3 sec.
- 3 Relay O/P
- 4-20mA O/P
- Bluetooth, RS-485 or HART configurable
- Built in Hooter cum Flasher

FLD-3311-FLP-HCF

- UV & 3IR Detection
- Fast response < 3 sec.
- Bluetooth, RS-485 or HART configurable
- 3 Relay O/P
- 4-20mA O/P
- Exd IIC T6
- IP68

UV Flame Detector

FLD-0011-Small

- Detects Sensitivity of fire using UV Sensor
- Performance can be tested by using Test Lamp
- L.E.D. Indication : Green Color for All OK Condition Red Color for Fire Detection Alarm
- 1 no relay for potential free contact
- Optional RS-485 MODBUS serial port

Gas Monitoring System

GM-416-MS



- Ring topology possibility
- 2 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

GM-416-WP



- Ring topology possibility
- 2 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

GM-416-FLP



- Ring topology possibility
- 2 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

Multichannel Gas Monitors

UIP-880-WP



- Microcontroller based technology
- 8 Channel input 4-20mA programmable by user
- Easy on-line field calibration
- Optional RS-485 MODBUS serial port

Conventional Multi Channel Gas Monitors (8 Channel)

TC-800-MS



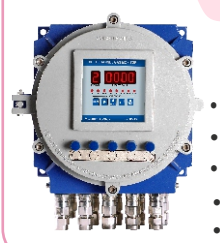
- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- IP-54

TC-800-WP



- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- IP-65

TC-800-FLP



- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66

Addressable Multi Channel Gas Monitors (Upto 80 Channel)

MCC-1322-MS



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P (Optional)
- IP-54

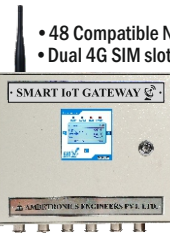
Gas Monitoring Panel

- HMI Size Supported: IM-48-16/24/32 7", 10.2" & 15"



- 4-20mA Input optional
- RS-485 Input
- RS-485 Output optional
- TCP / IP (Optional)
- Alarm indication
- 24 VDC or Potential free 8/16/24 channel Relay outputs for Valves & Alarms

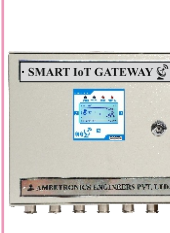
SIG4GTY-MS



- 48 Compatible Nodes
- Dual 4G SIM slot for Network Redundancy
- Isolated RS-485 I/P & O/P
- MQTT (JSON)
- 4-DPDT relays for control action
- SMS & E-mail alert
- Pendrive Data logging

SMART IoT GATEWAY

SIG2MCM-MS



- 70 Compatible Nodes
- I/P & O/P communication RS-485
- USB logging
- 4-DPDT relays for control action
- IP-54

SIS4G485



- 32 Channels
- GSM/GPRS Connectivity
- 2 Nos. SIM card slots
- RS-485 MODBUS RTU I/P & O/P
- 10 Mobile Nos. Voice call & SMS
- 5 E-mail address

RANGE OF ACCESSORIES FOR GAS DETECTORS

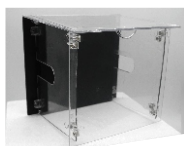
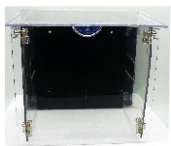
Chemical Resistance Canopy

AEPL-CAN-043

- For Water & Dust protection

Front View

Isolated view



Detector Canopy - S.S-316

AEPL-CAN-023

Base plate without front cover



AEPL-CAN-JB-IIC-A

Base plate with front cover



- For Rain & Dust protection

Detector Canopy - M.S

AEPL-CAN-016

Base plate without front cover



AEPL-CAN-JB-250-A

Base plate with front cover



- For Rain & Dust protection

Detector Mounting Stand

CANOPY STAND

Front side

Back side

Front side

Back side



Smart Alert System (RS-485)

SAR-321-WP-HCF



- Isolated RS-485 Communication port with MODBUS RTU
- Self test facility
- Repeater Detector Monitor

- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable
- IP66 / IP68 Enclosure

Smart Alert System (RS-485)

SAR-321-FLP-HCF



- Isolated RS-485 Communication port with MODBUS RTU
- Repeater Detector Monitor
- Self test facility

- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable
- IP66 / IP68 Enclosure

Addressable Manual Call Point

ACP-321-WP-HCF



- Self test facility
- Monitoring device relay contacts can connected as Digital Output

- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable
- IP66 / IP68 Enclosure

Addressable Manual Call Point

ACP-321-FLP-HCF



- Self test facility
- Monitoring device relay contacts can connected as Digital Output

- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable
- IP66 / IP68 Enclosure

Weatherproof Hooter cum Flasher

HCF-WP-S-RH



- Red/ Green/ Amber Flasher
- Sound level : 95 / 100 dB
- M-12/M-20 Connection
- 24 VDC Supply

Weatherproof Hooter cum Flasher

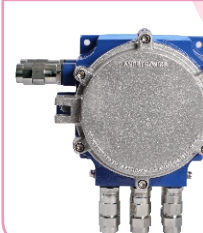
HCF-110-WP



- ABS Plastic Enclosure
- Red/ Green/ Amber Flasher
- 12/24 VDC Supply
- M-12/M-20 Connection
- Sound level : 110 dB

Flameproof Junction Box

JB-150-FLP



- M20, 1/2" NPT
- IP66
- Glands - 10 Max.

Gas Detector Calibration Carrying Case

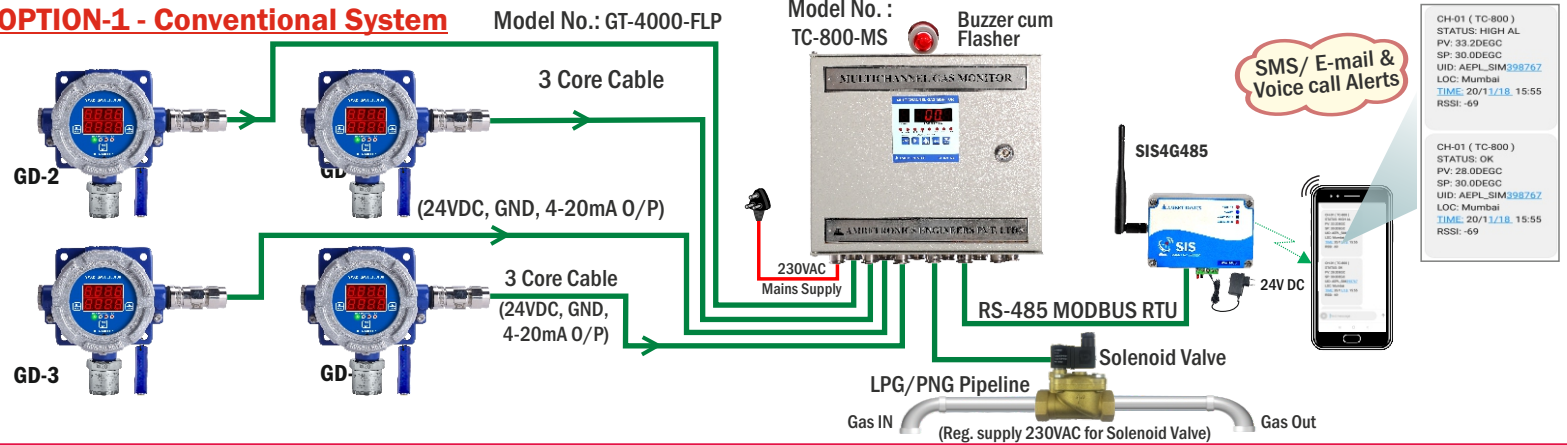
AEPL-CG-3/CG-0.5



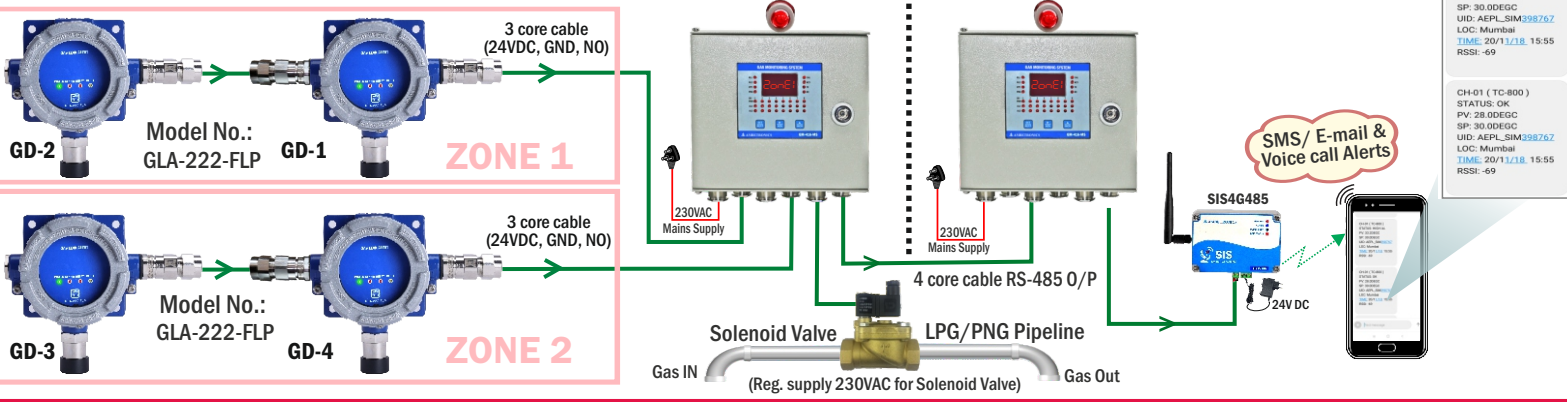
- Canister
- Fix Flow Regulator
- Calibration Cap
- PVC Pipe Hose

LPG/PNG Gas Leakage System with SMS/E-mail/Voice call/cloud facility for commercial Kitchen

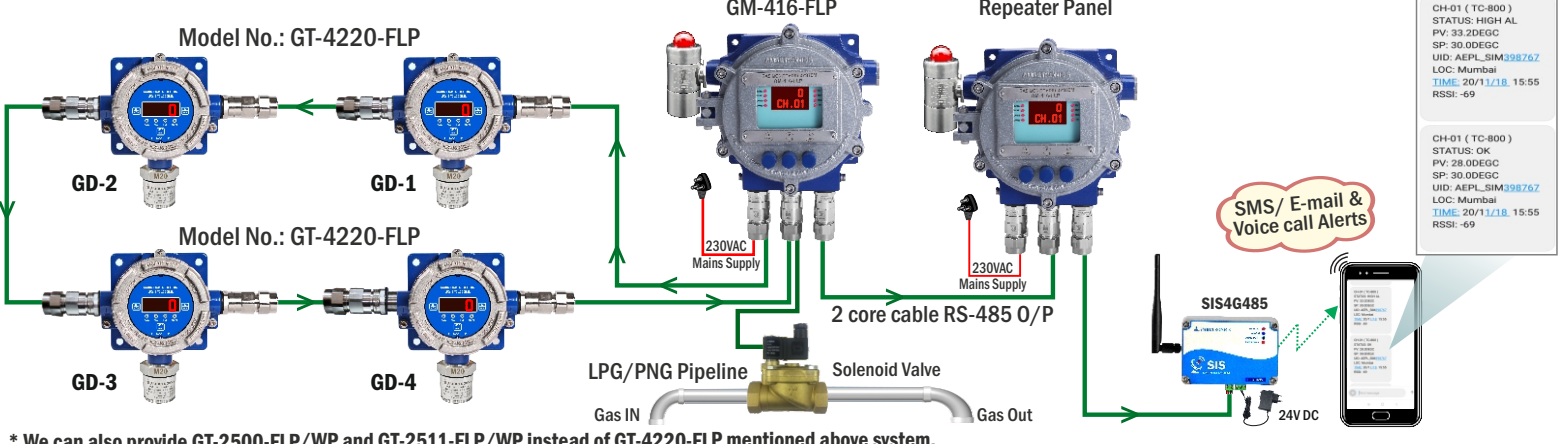
OPTION-1 - Conventional System



OPTION-2 - Conventional System



OPTION-3 - Addressable System



* We can also provide GT-2500-FLP/WP and GT-2511-FLP/WP instead of GT-4220-FLP mentioned above system.

OPTION-4 - Addressable System

