



AMBETRONICS
AN ISO 9001:2015 CERTIFIED COMPANY



30+
Years of Expertise

Largest
Manufacturer
of India

Exporting to
More than
15 + Countries

Visit our Factory
for Live
Demonstration

Complete Range of Gas, Flame & Heat Detection Solutions

Manufacturing of :

- Toxic Gas Detectors/Transmitters
- HC Gas Detectors/Transmitters
- Oxygen Gas Detectors/Transmitters
- VOC Gas Detectors/Transmitters
- Portable Gas Detectors
- Wireless Gas Detectors
- UV /IR Flame and Heat Detectors
- Ember Detectors
- Percent O₂ Analyzer
- Trace Oxygen Analyzer
- Dew Point Analyzer
- Bio Gas Analyzer
- Stand alone Gas Monitors
- IoT System for remote monitoring on cloud & Alerts via SMS/E-mail/Voice call

On site Services For :

- On site Calibration Services
- On site AMC/CMC
- On site Installation and commissioning
- Customized Development
- Repairing and Calibration of any Make and any Model

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

17-B, 16, 14A, Tarun Industrial Estate, New Nagardas Road, Mogra Pada, Andheri (E.) Mumbai - 400 069, India.

+91-22-69623389 +91-93207 37646 sales8@ambetronics.com
+91-22-61673021/22 +91-91674 18106 sales11@ambetronics.com



Version : GAS MASTER CATALOGUE-R14-01-08-2023



Loop Powered Detector Oxygen/NDIR/Toxic (-2 Wire)

GT-1033-WP

- 2 Line L.C.D. Display with backlight
- Pluggable smart Sensor module
- Toxic/O₂/NDIR-CH₄ Gas Detection
- 2 wire 4-20mA O/P & HART output available
- IP65 Enclosure

GT-1033-FLP

Intrinsically Safe
Enclosure Patent No. 335348-001

- 2 Line L.C.D. Display with backlight
- Pluggable Sensor module
- Toxic/O₂/NDIR-CH₄ Gas Detection
- HART output available
- Ex d IIC T6 Gb • Ip68

Smart Gas Detector - Combustible - (3 Wire)

GT-4000-WP

- 2 x4 digit L.E.D. Display
- 0 TO 100% LEL
- 3 Wire connection
- 4-20mA Output
- IP65 Enclosure

GT-4000-FLP-HCF

Enclosure Patent No. 335348-001

- 2 x4 digit L.E.D. Display
- 0 TO 100% LEL
- 3 Wire connection
- 4-20mA Output
- Exd IIC T6 Gb
- IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible - (3 Wire / 4 Wire) - L.E.D. Display

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

Intrinsically Safe
Enclosure Patent No. 364963-001

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- With Hooter cum Flasher
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

GT-2500-FLP-SS-HCF

Intrinsically Safe
Enclosure Patent No. 364963-001

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- With Hooter cum Flasher
- Ex d IIC T6 Gb
- IP66 Enclosure

GT-2500-FLP-HCF-JB-150

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible - (3 Wire / 4 Wire) - L.C.D. Display

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

Intrinsically Safe
Enclosure Patent No. 364963-001

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

GT-2511-FLP-SS-HCF

Intrinsically Safe
Enclosure Patent No. 364963-001

- L.C.D. Display
- 3 Wire with HART
- 3 Nos. Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66 Enclosure

GT-2511-FLP-HCF-JB-150

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

Smart Dual & Triple Gas Transmitter Oxygen/Toxic/Combustible

GT-5022-FLP-HCF

- Digital Display
- Pluggable Gas Sensor
- 2x 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P

GT-3522-FLP

- Digital Display
- Pluggable Gas Sensor
- 3x 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P

LNG/LPG/CNG/PNG (3 Wire) Gas Leak Detector

GT-4220-WP-HCF

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay
- Isolated RS-485 I/P or
- Isolated 4-20mA I/P
- IP65 Enclosure

GT-4220-FLP-HCF

Enclosure Patent No. 335348-001

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay
- Isolated RS-485 I/P or
- Isolated 4-20mA I/P
- Ex d IIC T6 Gb • IP66/IP68 Enclosure

Stand Alone Smart Gas Detector / Monitor

GA-3500-WP-D

- L.E.D. Display
- 3 Nos. Relay
- 4-20mA O/P
- Isolated RS-485 O/P
- 230VAC
- IP65 Enclosure

GA-3500-FLP-D

- L.E.D. Display
- 3 Nos. Relay
- 4-20mA O/P
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- 230VAC
- IP66 Enclosure

GA-3511-WP-D

- L.C.D. Display
- 3 Nos. Relay
- 4-20mA O/P
- Isolated RS-485 O/P
- 230VAC
- IP 65 Enclosure

GA-3511-FLP-D

- L.C.D. Display
- 2 Nos. Relay
- 4-20mA O/P
- Isolated RS-485 O/P
- 230VAC
- Ex d IIC T6 Gb
- IP66 Enclosure

Smart Gas Transmitter (with HART)

GT-5011-FLP-HCF

Enclosure Patent No. 364963-001

- Digital Display
- Pluggable Gas Sensor
- 1x 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P

Battery Powered Gas Detector Oxygen/Toxic

BGD-6033-WP

- 2 Line L.C.D. Display
- 1 year Battery Life
- Toxic/O₂ Gas Detection
- Inbuilt Buzzer
- IP65 Enclosure

BGD-6033-FLP

Enclosure Patent No. 364963-001

- 2 Line L.C.D. Display
- 1 year Battery Life
- Toxic/O₂ Gas Detection
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Battery Powered Gas Detector Oxygen/Toxic/Combustible

WGD-100-FLP

- Battery Operated
- upto 1 year Battery life
- SMS /E-mail & Voice call Facility to control room
- IP-66 Enclosure

Dual Channel Gas Monitors

GM-2200-WP



- Dual Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485 O/P

GM-2200-FLP



- Dual Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485
- Ex d IIC T6 Gb
- IP-66

Gas Monitoring System

GM-416-WP



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

GM-416-FLP



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

Gas Monitoring System

GM-416-MS



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

Conventional Multi Channel Gas Monitors (8 Channel)

TC-800-MS



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

TC-800-WP



- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- IP65

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

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

UIP-880-FLP



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

UIP-1600-WP



- 16 Channel
- I/P 4-20mA
- 4 Common Relay O/P
- Add-on Relays
- Isolated RS-485 O/P
- USB data Logging
- IP65

UIP-1600-FLP



- 16 Channel
- I/P 4-20mA
- Add-on Relays
- 4 Common Relay O/P
- USB data Logging
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66

Conventional Multi Channel 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

RK-220-8 Channel



- 3 Digit LED Display
- 20 Segment Bar graph
- I/P : 4-20mA
- O/P : 4-20mA (Isolated)
- 4 Relay O/P (Isolated)
- RS-485 O/P (Isolated)
- Panel Size in mm : 500 x 500 x 400 (W) x (H) x (D)

RK-220-16 Channel



- 3 Digit LED Display
- 20 Segment Bar graph
- I/P : 4-20mA
- O/P : 4-20mA (Isolated)
- 4 Relay O/P (Isolated)
- RS-485 O/P (Isolated)
- Panel Size in mm : 600 x 600 x 400 (W) x (H) x (D)

RK-220-80 Channel



- Per Channel
- 3 Digit LED Display
 - 20 Segment Bar graph
 - I/P : 4-20mA
 - O/P : 4-20mA (Isolated)
 - 4 Relay O/P (Isolated)
 - RS-485 O/P (Isolated)
 - SCADA Software
 - Redundant Power Supply
 - Ethernet
 - SMS Facility

Complete Panel Size in mm : 2300 (H) x 600(W) x 600 (D)

Addressable Multichannel Gas Monitors with inbuilt GSM Modem (Upto 48 Channel)

SIG 4GTY-MS



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ethernet
- Wi-Fi
- Lamp Test facility

SIG 4GTY-WP



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ethernet • Wi-Fi
- Lamp Test facility

SIG 4GTY-FLP



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ex d IIC T6 Gb
- IP66
- SMS & Email Alerts

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

MCC-1322-WP



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P
- IP65

MCC-1322-FLP



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- Ip66

MCC-1322-PANEL



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P

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
- Pluggable Sensor Module
- 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
- Pluggable Sensor Module
- EC/Catalytic/NDIR/PID
- Integrated pump
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

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 Gas Detector

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.

Battery Powered Gas Detector

PG-120-WP

- The Detector detects smallest gas leak on service line and joints
- Digital display of gas concentration on LCD display
- In built with 3.7V rechargeable LI-PO battery
- Battery Voltage status indication
- Battery charging indication on the LCD

Dual Channel 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

PG-200-S

- 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

Portable Biogas Analyzer

BIO-400-S-PEL

- Special Suitcase casing
- 128 x 64, Graphic L.C.D. display & backlight
- Event logging
- CH₄, CO₂, O₂, H₂S Detection
- USB interface
- Optional 1,00,000 logging records
- Li-po rechargeable Battery

Biogas Analyser - Panel Mount

BIO-400-S-PANEL

- Panel type housing
- 128 x 64, Graphic L.C.D. display & backlight
- Event logging
- USB interface
- CH₄, CO₂, O₂, H₂S Detection
- Optional 1,00,000 logging records
- Li-po rechargeable Battery

Smart Gas Analyzer - Oxygen

GA-3500-PM-O₂

- 0-100% V/V
- 2 Line L.E.D. Display
- Built in O₂ Sensor
- 4 -20mA O/P
- 3 Relay O/P
- RS-485 O/P
- Panel Mounted

GA-3511-PM-O₂

- 0-100% V/V
- 8 x 2 L.C.D. Display
- Built in O₂ Sensor
- 4 -20mA O/P
- 3 Relay O/P
- RS-485 O/P
- Panel Mounted

UV & Triple IR Flame Detector

FLD-3311-WP-HCF

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

UV & Triple IR Flame (Radiant Energy) Detector

FLD-3311-FLP-HCF

Enclosure Patent No. 364963-001

- 3 Relay O/P
- 4-20mA O/P
- Exd IIC T6 IP66
- UV & 3IR Detection
- Fast response < 3 sec.
- Bluetooth, RS-485 or HART configurable

UV & Triple IR Flame Detector

FLD-3311-FLP-SS-HCF

- 3 Relay O/P
- 4-20mA O/P
- Exd IIC T6 IP66
- SS Enclosure
- UV & 3IR Detection
- Fast response < 3 sec.
- Bluetooth, RS-485 or HART configurable

Ember (Radiant Energy) Detector

EMB-7700-FLP-HCF

- Insensitive to sunlight
- Date-time stamped event logging
- Built in self test (BIT)
- User programmable via Bluetooth, HART or RS-485.
- Test Lamp compatibility for safe Test

UV Flame Detector

FLD-0011-WP-HCF

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

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

Flame Detector Mounting Stand

Mounting stand

- Total Length 275 mm
- Material : Aluminium (LM-6)
- 180° Rotation

Flame Detector Sun Shield

JB IIC Sunshield **Sun Shield**
JB 90 Sunshield

- Diameter (Outer) : JB IIC : 149 mm, JB 90 : 112 mm
- Total Length : JB IIC : 126 mm, JB 90 : 103 mm
- Material : Neoprene rubber

Fixed Temperature Heat Detector

HTD-8800-FLP

Enclosure Patent No. 335348-001

- Detects fixed Temp. & Provides a Potential-Free NO contact Output.
- Wide ranges of Temp. 40°C to 90°C

Fixed Temperature Heat Detector

HTD-8811-WP

- Provides a fast & reliable response by sensing heat build-up
- Factory Preset to required Temp.
- Wide ranges of Temp. 40°C to 90°C

Fixed Temperature Heat Detector

HTD-8822-WP

- Provides a fast & reliable response by sensing heat build-up
- Factory Preset to required Temp.
- No maintenance, No calibration
- Auto-reset operation
- Easy to install
- Wide ranges of Temp. 40°C to 90°C

UV/IR Flame Detector Test Lamp

FTU-3311

- Battery Operated
- Cover Range : 3 to 5 meter
- Continuous Operation time : 1 hr. 30 min. Max.
- Operating Temp. : 0°C to 50°C

* FLP - Flameproof Enclosure * WP - Weatherproof Enclosure * S - Suction Type * D - Diffusion Type * HCF - Hooter cum Flasher