Since 1992

Manufacturing of:
- Toxic & Combustible Gas Transmitters
- Oxygen Transmitters
- VOC Gas Detectors
- Portable Gas Detectors
- Dew Point Analyzer
- LPG Gas Leak Detection System
- Trace Oxygen Analyzer
- Bio Gas Analyzer
- 3IR/UV Flame Detectors
- Wireless Gas Detectors
- Realtime Remote Alert/Alarm system with data on cloud

Services For:
- Installation and commissioning on site
- AMC/CMC on site
- Onsite Calibration Services

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Make in India

LPG Storage Tank
Commercial Kitchen
LPG Gas Bank
Underground Car Parking
UPS Battery Room
Power Plant

Pharma Plants

Complete Range of Gas & Flame Detection Solutions

AN ISO 9001 : 2015 COMPANY
**Range of Gas Detectors & Transmitters**

- **Battery Powered Gas Detector**
  - BGD-6033-WP
  - Smart Gas Transmitter
  - Oxygen/Toxic/Combustible
    - GT-2500-FLP
    - GT-2501-FLP
    - GT-2511-FLP
    - GT-4000-FLP
    - LPG/CNG/LNG/PNG Gas Leak Detector
      - GT-4220-FLP
- **Wireless Gas Detector**
  - WGD-100-WP
  - LPG/CNG/LNG/PNG Gas Leak Detector
    - GT-4220-FLP-S
- **Smart Gas Analyzer for Oxygen**
  - OGA-2500-0CA-25%

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**Mentioned Features**

- 2 Line L.C.D. Display
- 1 year Battery operation
- Toxic/O2, Gas Detection
- Inbuilt Buzzer
- IP-65
- 2 Line L.C.D. Display
- 1 year Battery operation
- Toxic/O2, Gas Detection
- Exd IIC T6 IP-66
- L.E.D Display
- 3 Wire
- 3 Nos. Relay
- Isolated RS-485 O/P
- Exd IIC T6 IP-66
- L.E.D Display
- 3 Wire
- 3 Nos. Relay
- Isolated RS-485 O/P
- Exd IIC T6 IP-66
- L.E.D Display
- 3 Wire
- 3 Nos. Relay
- Isolated RS-485 O/P
- Exd IIC T6 IP-66
- L.E.D Display
- 2 Wire
- 2 Line L.C.D. Display
- 2 Line L.C.D. Display
- 2 Line L.C.D. Display
- 2 Wire
- 2 Line L.C.D. Display
- With Hooter cum Flasher
- Isolated RS-485 O/P
- Exd IIC T6 IP-66/68
- Battery Operated & 1 year life
- Toxic/O2, Gas detection
- SMS Facility to control room
- Battery Operated & 1 year life
- SMS Facility
- Battery Operated & 1 year life
- Advance sensor for Centrifuge & Reactor application

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**Other Information**

- **Smart Gas Transmitter**
  - Oxygen/Toxic/Combustible
  - GT-2500-FLP-HCF
  - GT-2511-FLP-HCF
  - GT-4220-FLP
  - GT-5022-FLP-HCF
- **Battery Operated Gas Detector**
  - WGD-100-FLP
- **Loop Powered Transmitter**
  - GT-1033-WP
  - GT-1033-FLP
- **Pluggable Sensor Module**
  - EC/Catalytic/NDIR/PID

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**Symbols**

- **FLP** - Flameproof enclosure
- **WP** - Weatherproof enclosure
- **S** - Suction Type
- **D** - Diffusion Type
- **HCF** - Hooter cum Flasher
RANGE OF GAS MONITORS & PANELS

Multichannel Gas Monitor (8CH.)
TC-800-WP
- I/P 4-20mA
- 2 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P
- IP-65

Multichannel Gas Monitor (8CH.)
TC-800-FLP
- I/P 4-20mA
- 2 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P
- IP-65

Multichannel Gas Monitor (8CH.)
Wall Mounting
TC - 800- MS
- I/P 4-20mA
- 2 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P

Multichannel Gas Monitor (8CH.)
Wall Mounting
TC - 800- PANEL
- I/P 4-20mA
- 2 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P

Multichannel Gas Monitor (16CH.)
UIP-1600-WP
- I/P 4-20mA
- 4 Common Relay O/P
- Addon Relays
- Isolated RS-485 O/P
- USB data Logging
- IP-65

Multichannel Gas Monitor (16CH.)
UIP-1600-FLP
- I/P 4-20mA
- 4 Common Relay O/P
- Addon Relays
- Isolated RS-485 O/P
- USB data Logging
- IP-65

Multichannel Gas Monitor (16CH.)
UIP-1600-MS
- I/P 4-20mA
- 4 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P
- USB data Logging
- Ethernet
- WiFi
- Lora & Lorawan

Multichannel Gas Monitor (16CH.)
UIP-1600-Panel
- I/P 4-20mA
- 4 Common Relay O/P
- Addon Relay
- Isolated RS-485 O/P

Multichannel Communicator (80CH.)
MCC-1322-WP
- Modbus RS-485 Input
- 2 Common Relay
- Addon Relay
- Isolated RS-485 O/P
- IP-65

Multichannel Communicator (80CH.)
MCC-1322-FLP
- Modbus RS-485 Input
- 2 Common Relay
- Addon Relay
- Isolated RS-485 O/P
- IP-65

Multichannel Communicator (80CH.) Wall Mounting
MCC-1322-MS
- Modbus RS-485 Input
- 2 Common Relay
- Addon Relay
- Isolated RS-485 O/P

Multichannel Communicator (80CH.) Wall Mounting
MCC-1322-Panel
- Modbus RS-485 Input
- 2 Common Relay
- Addon Relay
- Isolated RS-485 O/P

Smart IoT Gateway (48 CH.)
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

Smart IoT Gateway (48 CH.)
SIG 4GTY-FLP
- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- SMS & Email Alerts
- Exd II A/II B IP-65

Smart IoT Gateway (48 CH.)
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

Addressable Relay Module
REL-1200
- 24 VDC Supply I/P
- 2 Relay O/P
- Modbus RS-485 I/P
- Specially for Solenoid Valve operation
- IP-65

Multichannel Gas Monitor Panel - 4 Channel
RK - 220 - 4
- Compliance with IEC-60945
- Standard for Marine application

Multichannel Gas Monitor Panel - 8 Channel
RK - 220 - 8
- Panel Size in mm: 500 x 500 x 400 (W) x (H) x (D)
- 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)

Multichannel Gas Monitor Panel - 48 Channel
RK - 220 - 48
- 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 Faciability
- Complete Panel Size in mm: 2200 x 800 x 800 (H) x (W) x (D)
- Includes Base Frame Height of 100 mm also.

Multichannel Gas Monitor Panel - 80 Channel
RK - 220 - 80
- 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)

* Product images are only for representation, Actual image and size may differ
* Kindly ask for detail Catalogue and specification of each product
**Portable Single Gas Detector**

- **PG-100-S**
  - Intrinsically safe
  - Plugable Sensor Module
  - EC/ Catalytic/ NDIR/ PID
  - Integrated pump
  - STEL/ TWA Alarms
  - 50,000 log records
  - > 10 hours backup
  - USB interface

**Portable Multi Gas Detector**

- **PG-400-D**
  - Diffusion type
  - Graphical L.C.D. display.
  - EC/ Catalytic/ NDIR/ PID
  - Suction type
  - Graphical L.C.D. display.
  - EC/ Catalytic/ NDIR/ PID
  - Suction type
  - Graphical L.C.D. display.
  - EC/ Catalytic/ NDIR/ PID

**Portable Biogas Analyzer**

- **BIO-400-S-POR**
  - Handheld type
  - 128 x 64, Graphic L.C.D. display with backlight
  - CH₄, CO, O₂, H₂S detection
  - Optional 1,00,000 logging records
  - Event logging
  - USB interface
  - Li-po rechargeable Battery

**Portable Biogas Analyzer**

- **BIO-400-POR**
  - Handheld type
  - 128 x 64, Graphic L.C.D. display with backlight
  - CH₄, CO, O₂, H₂S detection
  - Optional 1,00,000 logging records
  - USB interface
  - Li-po rechargeable Battery

**Portable Multi Gas Analyzer**

- **PGA-400-POR**
  - Integrated Pump
  - Graphical L.C.D. Display
  - EC/ Catalytic/ NDIR/ PID
  - Online measurement
  - STEL, TWA, Alarms
  - 1,00,000 log records
  - > 8 hours backup
  - USB interface

**Biogas Analyzer - Rack Mount**

- **BIO-400-S-RAK**
  - Rack mounting type
  - 128 x 64, Graphic L.C.D. display & backlight
  - Event logging
  - USB interface
  - Li-po rechargeable Battery

**Biogas Analyzer - Panel Mount**

- **BIO-400-S-PANEL**
  - Panel type housing
  - 128 x 64, Graphic L.C.D. display & backlight
  - Event logging
  - USB interface

**Trace Oxygen Analyzer**

- **GA-3500-PPM**
  - 200 PPM & 2000 PPM
  - Range Selectable
  - 10,000 PPM Range available
  - In-built Sensor
  - N₂ application

**Trace Oxygen Analyzer**

- **GA-3500-PPM**
  - Max 2 meter length for Diffusion mode Sensor

**Percent Oxygen Analyzer**

- **GA-3500-PPM**
  - 10% W/V & 30% W/V
  - Range Selectable
  - 100% W/V Range available
  - In-built Sensor

**Portable Dew Point Indicator**

- **PG-100-DEW**
  - L.C.D. display with backlight
  - Ambient monitoring
  - Wide operating range
  - Low BAT indication with buzzer
  - Rechargeable battery

**Flame Detector Testing Torch**

- **FL-3311-WP**
  - 3IR & UV Detection
  - Fast response < 3 sec.
  - 3 Relay O/P
  - 4mA & 20mA O/P
  - BLE, RS-485 or HART configurable
  - IP-65

- **FL-3311-FLP-SS**
  - 3IR & UV Detection
  - Fast response < 3 sec.
  - 3 Relay O/P
  - 4mA & 20mA O/P
  - BLE, RS-485 or HART configurable
  - Exd IIC T6 IP-68

- **FL-3311-FLP**
  - 3IR & UV Detection
  - Fast response < 3 sec.
  - 3 Relay O/P
  - 4mA & 20mA O/P
  - BLE, RS-485 or HART configurable
  - Exd IIC T6 IP-68

- **PG-400-POR**
  - Integrated Pump
  - Graphical L.C.D. Display
  - EC/ Catalytic/ NDIR/ PID
  - Online measurement
  - STEL, TWA, Alarms
  - 1,00,000 log records
  - > 8 hours backup
  - USB interface
RANGE OF CLEAN ROOM GAS MONITORS

**Clean Room Monitor for Oxygen & Toxic Gases**
- **Model**: CRM-111-2
- **Features**:
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 with Modbus RTU
  - 4-20mA Output

**Clean Room Monitor for Combustible Gases**
- **Model**: CRM-111-3
- **Features**:
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 Modbus RTU

**Clean Room Monitor for CH₄ (NDIR)**
- **Model**: CRM-111-4
- **Features**:
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 Modbus RTU

**Clean Room Process Monitor**
- **Model**: CRM-485-11
- **Features**:
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 with Modbus RTU
  - 4-20mA Output

**Clean Room Monitor for Oxygen & Humidity Indication**
- **Model**: CRM-232-23-1/R
- **Features**:
  - 1” Red L.E.D. display
  - Integrated Buzzer
  - 2 Nos. DPDT Relay
  - Integrated or Remote Humidity sensor

**Clean Room Monitor for Oxygen & Temperature Detection**
- **Model**: CRM-232-22-1/R
- **Features**:
  - 1” Red L.E.D. display
  - Integrated or Remote Temperature sensor
  - Flameproof enclosure available

RANGE OF ACCESSORIES

**Stand/Canopy Floor Mounting**
- **Model**: AEPL-FMTS
- **Model**: AEPL-CANOPY

**Transmitter Calibration Gases Oxygen/Toxic / Combustible**
- **Model**: AEPL-CG-3/CG-0.5
- **Features**:
  - Gas Cylinder
  - Regulator
  - Flowmeter
  - Calibration Cap
  - Tubing
  - Calibration Cap
  - Flowmeter
  - Regulator

**Detector Mounting Plate**
- **Model**: AEPL-MP

**Weatherproof Junction Box**
- **Model**: JB-204-SP
- **Model**: JB-204-FLP
- **Model**: JB-204-FLP
- **Model**: JB-400-FLP
- **Model**: JB-500-FLP
- **Features**:
  - Input : 4 No. Cable Gland
  - Output : 4 No. Cable Gland
  - 24, V, GND, O/P, D+, D- connections (6 core)
  - Weatherproof enclosure available

**Hooter-cum-Flasher**
- **Model**: HCF-FLP-RH-GA
- **Model**: HCF-FLP-RH-GH
- **Model**: HCF-FLP-IIC
- **Features**:
  - Red/ Green/ Amber Flasher
  - 95 / 100 dB
  - ¾” ET Connection
  - 24 VDC Supply

**Double Compression Cable Gland / Stopper**
- **Model**: M-20 CG/FLP-2C
- **Model**: FLA-104
- **Features**:
  - Upto 2000 mm length available
  - Inbuilt with temperature detection available
  - Hose pipe available as per gas type
  - Moisture filter connection

**Sampling Probe**
- **Model**: PG-SP

**Magnetic Wand**
- **Model**: MW-001
- **Features**:
  - For programming of Flameproof Gas Detectors

*Kindly ask for detail Catalogue and specification of each product*
**Internet of Things - Comprehensive Solution for Smart Indication & Control Unit**

- MODBUS RTU
- MODBUS TCP-IP
- MODBUS Over TCP-IP
- SCADA, ERP
- PLC

---

**APPLICATION EXAMPLES**

**Carbon Monoxide Detection System for Under Ground Car parking Area**

- Ventilation Fan
- Emergency Light
- 230VAC Mains Supply
- Buzzer cum Flasher
- Connectivity to Relay 2
- Connectivity to Relay 1
- RS-485 MODBUS RTU

**Hydrogen Gas Detection System for Battery Room With SMS Facility**

- Ventilation Fan
- Emergency Light
- 230VAC Mains Supply
- Buzzer cum Flasher
- Connectivity to Relay 2
- Connectivity to Relay 1
- RS-485 MODBUS RTU

**Internet of Things - Comprehensive Solution for Smart Indication & Control Unit**

- Wireless Gas Detector-1 WGD2MSP
- Wireless Gas Detector-2 WGD2MSB
- Wireless Gas Detector-3 WGD2MSP-WP
- Wireless Gas Detector-4 WGD2MSS-WP

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**APPLICATION EXAMPLES**

**Buzzer cum Flasher**

- 230VAC Mains Supply
- (3 Wire: 24V, GND, O/P)
- Connectivity to Relay 2
- Connectivity to Relay 1
- RS-485 MODBUS RTU

**Carbon Monoxide Detection System for Under Ground Car parking Area**

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- Wireless Gas Detector-3 WGD2MSP-WP
- Wireless Gas Detector-4 WGD2MSS-WP
APPLICATION EXAMPLES

**LPG/ PNG Gas Leakage Conventional System**

- GT-4000-FLP
- GT-4000-FLP
- 3 Core Cable
- GT-4000-FLP
- 3 Core Cable (24VDC, GND, 4-20mA O/P)
- GT-4000-FLP
- 3 Core Cable
- 240VAC Mains Supply
- RS-485
- MODBUS RTU
- Flasher
- SMS Alerts
- GT-4000-FLP
- GT-4000-FLP
- 3 Core Cable
- GT-4000-FLP
- 3 Core Cable (24VDC, GND, 4-20mA O/P)
- GT-4000-FLP
- 3 Core Cable
- 240VAC Mains Supply
- RS-485
- MODBUS RTU
- Flasher
- SMS Alerts

**LPG/ PNG Gas Leakage Addressable System**

- GT-4220-FLP-S
- GT-4220-FLP-S
- Ring Topology for Fail Safe application
- GT-4220-FLP-S
- Relay Module (REL-1200)
- Solenoid Valve
- GT-4220-FLP-S
- 4 Core Cable (24VDC, GND, D+, D-)
- GT-4220-FLP-S
- GT-4220-FLP-S
- MCC-1322-MS
- Flasher
- RS-485
- MODBUS RTU
- SMS Alerts
- GT-4220-FLP-S
- GT-4220-FLP-S
- Ring Topology for Fail Safe application
- GT-4220-FLP-S
- Relay Module (REL-1200)
- Solenoid Valve
- GT-4220-FLP-S
- 4 Core Cable (24VDC, GND, D+, D-)
- GT-4220-FLP-S
- GT-4220-FLP-S
- MCC-1322-MS
- Flasher
- RS-485
- MODBUS RTU
- SMS Alerts

**Smart IoT Module Series**

- SIM2G485
- Upto 48 MODBUS Slaves / Address
- WGD2MSP -WP
- Smart Gas Transmitter
- Upto 48 MODBUS Slaves / Address
- UIP-800-PMH
- Smart Gas Transmitter
- WGD2MSP-FLP
**ILLUSTRATIONS**

**8 CHANNEL GAS MONITORING SYSTEM - WEATHERPROOF - TC-800-WP**

- **SAFE AREA / CONTROL ROOM**
  - Alarm / Hooter with Flasher
  - RS-485 to USB Converter
- **HAZARDOUS ZONE**
  - 3 wires cable
  - Mains Supply
  - MAX 1000 METER
- **ZONE 1**
  - 8x3 core cable max 1000 meter
- **ZONE 2**
  - 2/3 wire transmitter with 4-20mA O/P

**MULTICHANNEL GAS MONITORING SYSTEM - 8 CHANNEL RK-220 - PANEL**

- **SAFE AREA / CONTROL ROOM**
  - Hooter cum Flasher
  - Weatherproof Hooter cum Flasher
  - Flameproof Hooter
  - OR
  - Intelligent Modem
  - 3 Core cable
  - RS-232 to USB Converter
  - RS-485 to USB Converter
  - Mains Supply
  - MAX 1000 METER
- **HAZARDOUS ZONE**
  - Weatherproof Gas Detector
  - Flameproof Gas Detector
  - Zone-1 (MCC-1322-MS)
  - Zone-2 (MCC-1322-MS)
  - Zone-3 (MCC-1322-MS)

**INTELLIGENT GAS MONITORING SYSTEM - IM-48-XX-MS SERIES**

- **SAFE AREA**
  - Weatherproof Gas Detector
  - Flameproof Gas Detector
  - Zone Panel-1
  - Flasher
- **HAZARDOUS ZONE**
  - 4 Core Cable
  - RS-485 O/P
  - Mains Supply
  - 1000 Meter Length
  - RS-485, Modbus RTU

**ADDRESSABLE LPG GAS DETECTION SYSTEM**

- **Zone-1**
  - GT-4220-FLP
  - Relay Module
  - Solenoid Valve
  - RS-485
- **Zone-2**
  - GT-4220-FLP
  - Relay Module
  - Solenoid Valve
  - RS-485
- **Zone-3**
  - GT-4220-FLP
  - Relay Module
  - Solenoid Valve
  - RS-485

**Manufactured by:**

**AMBERTRONICS ENGINEERS PVT. LTD.**

17-B, 10th Floor, Tarun Industrial Estate, Mogra Pada, New Nagardas Road, Andheri (E.), Mumbai - 400 069, India.

Mob.: 9320619646 • 9320621646 • Tel.: +91-22-61673000, 28371143 • Fax: +91-22-28226570

E-mail: project@ambetronics.com • gas@ambetronics.com • Web: www.ambetronics.com

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