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

Visit Our Factory for Live Demo

Pharma Plants

LPG Storage Tank

Commercial Kitchen

LPG Gas Bank

Underground Car Parking

UPS Battery Room

Power Plant

Pharma Plants

Commercial Kitchen

LPG Storage Tank

LPG Gas Bank

Underground Car Parking

UPS Battery Room

Power Plant

www.ambetronics.com
RANGE OF GAS DETECTORS & TRANSMITTERS

Battery Powered Gas Detector
BDG-6033-WP
• 2 Line L.C.D. Display
• 1 year Battery operation
• Toxic/O, Gas Detection
• Inbuilt Buzzer
• IP-65

Battery Powered Gas Detector
BDG-6033-FLP
• 2 Line L.C.D. Display
• 1 year Battery operation
• Toxic/O, Gas Detection
• Exd IIC T6 IP-66

Loop Powered Transmitter
GT-1033-WP
• 2 Line L.C.D. Display with backlight
• Pluggable Sensor module
• Toxic/O, NDIR/CH4 Gas Detection
• 2 wire 4-20mA O/P & HART output available
• IP-65

Loop Powered Transmitter
GT-1033-FLP
• 2 Line L.C.D. Display with backlight
• Pluggable Sensor module
• Toxic/O, NDIR/CH4 Gas Detection
• HART output available
• Exd IIC T6 IP-66

Smart Gas Transmitter
Oxygen/Toxic/Combustible
GT-2500-WP
• 2 Line L.E.D. Display
• 3 Wire
• 3 Nos. Relay (AL1, AL2, Fail-safe)
• Isolated RS-485 O/P
• IP-65

Smart Gas Transmitter
Oxygen/Toxic/Combustible
GT-2500-FLP
• L.E.D. Display
• 3 Wire
• 3 Nos. Relay
• Isolated RS-485 O/P
• Exd IIC T6 IP-66/68

Smart Gas Transmitter
Oxygen/Toxic/Combustible
GT-2511-WP
• L.C.D. Display
• 3 Wire
• 3 Nos. Relay (AL1, AL2, Fail-safe)
• Isolated RS-485 O/P
• IP-65

Smart Gas Transmitter
Oxygen/Toxic/Combustible
GT-2511-FLP
• L.C.D. Display
• 3 Wire
• 3 Nos. Relay
• Isolated RS-485 O/P
• Exd IIC T6 IP-66

Smart Gas Monitor (Stand Alone)
Weatherproof Model
GA-3500-WP-D
• L.E.D. Display
• 4 -20mA O/P
• 3 Nos. Relay
• Isolated RS-485 O/P
• IP-65

Smart Gas Monitor (Stand Alone)
Flameproof Model
GA-3500-FLP-D
• L.C.D. Display
• 4 -20mA O/P
• 3 Nos. Relay
• Isolated RS-485 O/P
• IP-65

Smart Gas Monitor (Stand Alone)
Weatherproof Model
GA-3511-WP-D
• L.C.D. Display
• 4 -20mA O/P
• 3 Nos. Relay
• Isolated RS-485 O/P
• Exd IIC T6 IP-65

Smart Gas Monitor (Stand Alone)
Flameproof Model
GA-3511-FLP-D
• L.C.D. Display
• 4 -20mA O/P
• 3 Nos. Relay
• Isolated RS-485 O/P
• Exd IIA/IB T6 IP-65

LPG/CNG/LNG/PGN Gas Leak Detector
GT-4220-WP
• L.E.D. Display
• 2 Nos. Relay and Integrated flasher & Buzzer
• Isolated RS-485 O/P
• IP-65

LPG/CNG/LNG/PGN Gas Leak Detector
GT-4220-FLP-S
• L.E.D. Display
• 2 Nos. Relay and Integrated flasher & Buzzer
• Isolated RS-485 O/P
• Exd IIA/IB T6 IP-65

Smart Gas Analyzer for Oxygen
OQA-2500-0CA-25%
• 2 Line L.E.D. Display
• Advance sensor for Centrifuge & Reactor application

Smart Gas Transmitter
(with HART)
GT-5022-FLP-HCF
• Pluggable Sensor Module
• EC Catalytic/ NDIR/ PID
• Isolated RS-485 O/P
• 3 Nos. Relay
• With Hooter cum Flasher
• Exd IIC T6 IP-66

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

Ambetronics
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>PG-100-S</td>
<td>Portable Single Gas Detector</td>
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<tr>
<td>PG-100-D</td>
<td>Portable Single Gas Detector</td>
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<td>PG-200-D</td>
<td>Dual Channel Gas Detector</td>
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<td>PG-400-POR</td>
<td>Portable Multi Gas Analyzer</td>
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<td>BIO-400-S-POR</td>
<td>Portable Biogas Analyser</td>
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<td>BIO-400-S-PANEL</td>
<td>Biogas Analyzer - Panel Mount</td>
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<td>BIO-400-S-RAK</td>
<td>Biogas Analyzer - Rack Mount</td>
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<td>OGA - 3500-PPM</td>
<td>Trace Oxygen Analyzer</td>
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<td>OGA - 3500-VOL</td>
<td>Percent Oxygen Analyzer</td>
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<td>DP-600</td>
<td>Dew Point Monitor</td>
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<tr>
<td>GA-3500-PM-0</td>
<td>Smart Gas Analyzer - Oxygen</td>
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<tr>
<td>GA-3511-PM-0</td>
<td>Smart Gas Analyzer</td>
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<td>PG-400</td>
<td>Portable Dew Point Indicator</td>
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<tr>
<td>FL-3311-WP</td>
<td>UV &amp; Triple IR Flame Detector</td>
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<tr>
<td>FL-3311-FLP</td>
<td>UV &amp; Triple IR Flame Detector</td>
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<tr>
<td>FL-3311-FLP-SS</td>
<td>UV &amp; Triple IR Flame Detector</td>
</tr>
<tr>
<td>FL-3311</td>
<td>Flame Detector Testing Torch</td>
</tr>
</tbody>
</table>
### RANGE OF CLEAN ROOM GAS MONITORS

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

**Clean Room Monitor for Combustible Gases**
- CRM-131-2
  - 1” Red L.E.D. display
  - Integrated Buzzer
  - 2 Nos. DPDT Relay
  - Isolated RS-485 Modbus RTU

**Clean Room Monitor for CH₄ (NDIR)**
- CRM-111-4
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 with Modbus RTU
  - 4-20mA Output

**Clean Room Process Monitor**
- CRM-485-11
  - Integrated Buzzer
  - 2 Nos. SPDT Relay
  - Isolated RS-485 with Modbus RTU Input & Output

---

### RANGE OF ACCESSORIES

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

**Transmitter Calibration Gases Oxygen/Toxic / Combustible**
- AEPL-CG-3/CG-0.5
  - Gas Cylinder
  - Regulator
  - Flowmeter
  - Calibration Cap
  - 1” Red L.E.D.

**Detector Mounting Plate**
- AEPL-MP

**Weatherproof Junction Box**
- JB-204- WP
  - Input : 4 No. Cable Gland
  - Output : 4 No. Cable Gland
  - 24V, GND, O/P, D+, D- connections (6 core)
  - Flameproof enclosure available

**Weatherproof Junction Box**
- JB-308- WP
  - Input : 8 No. Cable Gland
  - Output : 8 No. Cable Gland
  - 24V, GND, O/P, P+, D- connections (4 core)
  - Flameproof enclosure available

**Weatherproof Junction Box**
- JB-400- WP
  - 4 No. Transmitter I/P & O/P connection
  - 24V, GND, O/P, D+, D- Signal connections
  - ‘Normally open’ Relay contact connectivity
  - Inbuilt DPDT Relay for Hooter connection
  - Exd II/ A / IIB IP-65

**Weatherproof Junction Box**
- JB-400- FLP
  - 4 No. Transmitter I/P & O/P connection
  - 24V, GND, O/P, D+, D- Signal connections
  - ‘No’ Relay contact connectivity
  - Inbuilt DPDT Relay for Hooter connection
  - Exd II/ A / IIB IP-65

**Weatherproof Junction Box**
- JB-500- FLP
  - 1 Transmitter I/P & O/P connection
  - 24V, GND, O/P, D+, D- Signals
  - Weatherproof enclosure available

**Hooter-cum-Flasher**
- HCF-FLP-RH-GA
  - Red Flasher
  - Green Flasher
  - Amber Flasher
  - 24 VDC Supply

**Hooter-cum-Flasher**
- HCF-FLP-RH-GH
  - Red Flasher
  - Green Flasher
  - 24 VDC Supply

**FLP Hooter-cum-Flasher**
- HCF-FLP-IIC
  - HCF-FLP-IIC-RH (Red Flasher)
  - HCF-FLP-IIC-GH (Green Flasher)
  - HCF-FLP-IIC-AH (Amber Flasher)
  - 24VDC / IP & IP-66

**Weatherproof Buzzer cum Flasher**
- HCF-WP-RH
  - Red/ Green / Amber Flasher
  - 95 / 100 dB
  - ¾" ET Connection
  - 24 VDC Supply

**Double Compression Cable Gland / Stopper**
- M-20 CG/ RB/ SC

**Sampling Probe**
- PG-SP
  - Upto 2000 mm length available
  - Inbuilt with temperature detection available
  - Hose pipe available as per gas type
  - Moisture filter connection

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

---

*Kindly ask for detail Catalogue and specification of each product*
## APPLICATION EXAMPLES

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

- **Mains Supply:** 230VAC
- **Emergency Light:** Ventilation Fan
- **Connectivity to Relay 1:** Buzzer cum Flasher
- **Connectivity to Relay 2:** RS-485 (MODBUS RTU)
- **Magnetic Wand for Programming:** SIM 2G485N
- **Gas Detection:** Cone

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

- **Solar Powered**
- **Hooter Cum Flasher:** Ventilation Fan
- **Connectivity to Relay 2:** SIM 2G485N
- **Connectivity to Relay 1:** SIM 2G485S
- **Magnetic Wand for Programming:** SIM 2G485S
- **Gas Detector-1:** GT-4000-FLP
- **Gas Detector-2:** GT-1000-WP
- **Gas Detector-3:** GT-1000-WP
- **Gas Detector-4:** GT-1000-WP

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

- **MQTT Broker:** Buzzer cum Flasher
- **Connectivity to Relay 2:** SIM 2G485N
- **Connectivity to Relay 1:** SIM 2G485S
- **Magnetic Wand for Programming:** SIM 2G485S
- **Gas Detector-1:** GT-4000-FLP
- **Gas Detector-2:** GT-1000-WP
- **Gas Detector-3:** GT-1000-WP
- **Gas Detector-4:** GT-1000-WP

### Application Examples

<table>
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<tr>
<th>Application</th>
<th>Example</th>
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<tr>
<td>TC-800-MS</td>
<td>GT-4000-FLP</td>
</tr>
<tr>
<td>GT-4000-FLP</td>
<td>GT-1000-WP</td>
</tr>
<tr>
<td>GT-1000-WP</td>
<td>GT-1000-WP</td>
</tr>
</tbody>
</table>

### Connectivity

- **Ethernet/RS-485/RS-232**
  - MODBUS RTU
  - MODBUS TCP/IP
  - MODBUS Over TCP/IP

### SMS Alerts

<table>
<thead>
<tr>
<th>SIM 2G485N</th>
<th>GT-4000-FLP</th>
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### SCADA, E.R.C.

<table>
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<tr>
<th>PLC</th>
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### Calibration

- **SIM 2G485N**
  - **SIM 2G485S**
  - **SIM 2G485S**
  - **SIM 2G485S**

### Testing

- ** الصفحات إختبارات**
- ** الصفحات إختبارات**
- ** الصفحات إختبارات**

### ALERTS

- **OK SMS Format**
- **Alarm SMS Format**

### SCADA, E.R.C.

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### Calibration

- **SIM 2G485N**
  - **SIM 2G485S**
  - **SIM 2G485S**
  - **SIM 2G485S**

### Testing

- ** الصفحات إختبارات**
- ** الصفحات إختبارات**
- ** الصفحات إختبارات**

### ALERTS

- **OK SMS Format**
- **Alarm SMS Format**
APPLICATION EXAMPLES

LPG/ PNG Gas Leakage Conventional System

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

LPG/ PNG Gas Leakage Addressable System

GT-4220-FLP-S
GT-4220-FLP-S
GT-4220-FLP-S
GT-4220-FLP-S
3 Core Cable
3 Core Cable
3 Core Cable
4 Core Cable
(24VDC, GND, D+, D-)
230VAC Mains Supply
RS-485 MODBUS RTU
Flasher
SMS Alerts

Songtopology for Fail Safe application
Relay Module (REL-1200)
Solenoid Valve

Smart IoT Module Series

MQTT Broker
Your server cloud
MQTT Client

SIM2G485S
Upto 48 MODBUS Slaves / Address
WGD2MSP-FLP
Smart Gas Transmitter
WGD2MSP -WP
UIP-800-PMH
Upto 48 MODBUS Slaves / Address

AMBETRONICS