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no false alarms

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Model TA-2100 *smarter* Allyl Alcohol Gas Detector

➤ Features

Part No. 01-26177

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0-50 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Glycol Production
- Chemical Processing
- Plastics Production
- Laboratories
- Optical Resins
- Paints & Coatings
- More

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Ammonia NH₃ Gas Detector

➤ Features

Part No. 01-2611

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -40°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 5 ppm
Temperature Range:	-40°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<2 min. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Water Treatment
- Wastewater Treatment
- Refrigeration
- Chemical Processing
- Pulp & Paper
- Food & Beverage
- Laboratories
- Metal Treatment

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Ammonia NH₃ MOS Gas Detector

➤ Features

no false alarms solid state MOS sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +75°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26159

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Solid State MOS
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 300 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	5 ppm minimum detection level
Zero Drift:	less than 5 ppm
Temperature Range:	-40°C to +75°C
Humidity Range:	5 - 100% RH, non-condensing
Response Time:	<20 sec. to 50% of final reading
Recovery Time:	<20 sec. to 50% recovery
Sensor Service Life:	>3-5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Water Treatment
- Wastewater Treatment
- Refrigeration
- Chemical Processing
- Pulp & Paper
- Food & Beverage
- Laboratories
- Metal Treatment

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Model TA-2100 *smarter* Arsine AsH₃ Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -20°C to +40°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2640

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.00 - 1.00 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.01 ppm minimum detection level
Zero Drift:	less than 0.02 ppm
Temperature Range:	-20°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Semiconductors
- Chemical Processing
- Lead Plating
- Galvanizing
- Battery Production
- Laboratories
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Benzene Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26144

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Oil Refining
- Chemical Processing
- Pharmaceuticals
- Pesticides
- Laboratories
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Bromine Br₂ Gas Detector

➤ Features

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2603

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 5.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Water Purification
- Chemical Processing
- Flame Retardants
- Pharmaceuticals
- Bleaching Agents
- Laboratories
- Disinfectants
- Pesticides

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* 1,3-Butadiene Gas Detector

➤ Features

Part No. 01-26185

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0-100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Rubber Production
- Chemical Processing
- Plastics Production
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* N-Butylamine Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26186

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Chemical Processing
- Pharmaceuticals
- Plastics Production
- Laboratories
- Pesticides
- Rubber Vulcanization
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* IR Infrared Carbon Dioxide CO₂ Gas Detector

➤ Features

no false alarms infrared (NDIR) sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -20°C to +50°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26116

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Infrared (NDIR)
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 5% Volume (ranges to 100% CO ₂)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1% Vol. minimum detection level
Zero Drift:	less than 0.1% volume
Temperature Range:	-20°C to +50°C
Humidity Range:	0 - 99% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

Beverage Carbonation

Chemical Processing

Lasers

Oil Well Injection

Natural Gas Pipelines

Laboratories

Metal Production

More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Carbon Disulfide Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26181

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Rayon Manufacturing
- Chemical Processing
- Cellulose Production
- Agricultural Fumigants
- Metal Plating
- Cellophane Production
- Laboratories
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Carbon Monoxide CO Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -25°C to +50°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2622

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 3 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<60 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

Lasers
Chemical Processing
Confined Spaces
Air Quality Management
Combustion Processes
Industrial Emissions

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Chlorine Cl₂ Gas Detector

➤ Features

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -40°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2601

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 5.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-40°C to +50°C
Humidity Range:	10 -95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Water Purification
- Chemical Processing
- Pulp & Paper Mills
- Pharmaceuticals
- Plastics Production
- Laboratories
- Swimming Pools
- Agrochemicals

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Chlorine Dioxide ClO₂ Gas Detector

➤ Features

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2604

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 5.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Water Purification
- Wastewater Treatment
- Pulp & Paper Mills
- Chemical Processing
- Food Processing
- Laboratories
- Sanitation
- Biocidal Uses

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Chlorobenzene Gas Detector

➤ Features

Part No. 01-26183

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -50 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Pesticides
- Chemical Processing
- Metal Degreasing
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Chloroform CHCl₃ MOS Gas Detector

➤ Features

no false alarms solid state MOS sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +75°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26169

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Solid State MOS
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 250 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	5 ppm minimum detection level
Zero Drift:	less than 5 ppm
Temperature Range:	-40°C to +75°C
Humidity Range:	5 - 100% RH, non-condensing
Response Time:	<30 sec. to 50% of final reading
Recovery Time:	<30 sec. to 50% recovery
Sensor Service Life:	>3-5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

HCFC-22 Production
Chemical Processing
Pesticides
Laboratories
More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Catalytic LEL Combustible Gas Detector

➤ Features

no false alarms catalytic bead sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +75°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2620

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Catalytic bead LEL combustibile
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 100% LEL (lower explosive limit)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1% LEL minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-40°C to +75°C
Humidity Range:	0 - 99% RH, non-condensing
Response Time:	<10 sec. to 50% of full-scale
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. locations

➤ Applications

Oil & Gas Exploration

Chemical Processing

Oil Refining

Steel Mills

Mud Logging

Laboratories

Natural Gas Distribution

More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection

no false alarms

Fire Detection

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Model TA-2100 *smarter* IR Infrared Combustible Gas Detector

➤ Features

no false alarms infrared (NDIR) sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +65°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26140

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Infrared (NDIR)
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 100% LEL (lower explosive limit)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1% LEL minimum detection level
Zero Drift:	less than 1% of full scale
Temperature Range:	-40°C to +65°C
Humidity Range:	0 - 99% RH, non-condensing
Response Time:	<10 sec. to 50% of full-scale
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. locations

➤ Applications

Oil & Gas Exploration

Chemical Processing

Oil Refining

Steel Mills

Mud Logging

Laboratories

Natural Gas Distribution

More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Cyclohexane Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26172

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0-200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Nylon Manufacture
- Chemical Processing
- Refinery Emissions
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Diborane B₂H₆ Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -20°C to +40°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2641

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.00 - 1.00 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.01 ppm minimum detection level
Zero Drift:	less than 0.02 ppm
Temperature Range:	-20°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

Semiconductors
Chemical Processing
Laboratories
More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Dimethylformamide DMF Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26201

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Industrial Solvents
- Chemical Processing
- Pesticides
- Pharmaceuticals
- Plastics Production
- Laboratories
- Synthetic Leathers
- More

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Fluorine F₂ Gas Detector

➤ Features

Part No. 01-2602

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 5.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Nuclear Power
- Chemical Processing
- UF₆ Production
- SF₆ Production
- Semiconductors
- Laboratories
- Freon® Production
- Water Treatment

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Hydrazine N₂H₄ Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -20°C to +40°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2643

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.00 - 1.00 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.01 ppm minimum detection level
Zero Drift:	No data
Temperature Range:	-20°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<90 sec. to 90% of final reading
Recovery Time:	<60 sec. to 90% recovery
Sensor Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Rocket Propellant
- Chemical Processing
- Military Fuel Cells
- Nickel Plating
- Laboratories
- More

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Model TA-2100 *smarter* Hydrogen Bromide HBr Gas Detector

➤ Features

Part No. 01-2616

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Plasma Etching
- Chemical Processing
- Electronics
- Pharmaceuticals
- Laboratories
- More

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Model TA-2100 *smarter* Hydrogen Chloride HCl Gas Detector

➤ Features

Part No. 01-2606

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Hydrochloric Acid Production
- Chemical Processing
- Semiconductor
- Electroplating
- Metal Cleaning
- Textile Production
- Rubber Production

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Model TA-2100 *smarter* Hydrogen Cyanide HCN Gas Detector

➤ Features

Part No. 01-2615

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 50 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<60 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Precious Metal Extraction
- Chemical Processing
- Synthetic Fiber Production
- Electroplating
- Plastics Production
- Laboratories
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Hydrogen Fluoride HF Gas Detector

➤ Features

Part No. 01-2607

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 -95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Oil Refining Process
- Chemical Processing
- Metal Pickling
- Uranium Conversion
- Aluminum Production
- Laboratories
- Water Treatment
- More

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Model TA-2100 *smarter* Hydrogen Iodide HI Gas Detector

➤ Features

no false alarms patented electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -25°C to +50°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2609

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

Chemical Processing
Pharmaceuticals
Laboratories
Disinfectants
Reductive Chemistry
More

Specifications subject to change without notice due to continued program of product innovation.

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Model TA-2100 *smarter* Hydrogen Sulfide H₂S Gas Detector

➤ Features

Part No. 01-2610

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -40°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 50 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1 ppm
Temperature Range:	-40°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Oil & Gas
- Chemical Processing
- Pulp & Paper Mills
- Sewage Treatment
- Leather Tanning
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Hydrogen Sulfide H₂S MOS Gas Detector

➤ Features

no false alarms solid state MOS sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +75°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26127

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Solid State MOS
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 2 ppm
Temperature Range:	-40°C to +75°C
Humidity Range:	5 - 100% RH, non-condensing
Response Time:	<30 sec. to 50% of final reading
Recovery Time:	<30 sec. to 50% recovery
Sensor Service Life:	>3-5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Oil & Gas
- Chemical Processing
- Pulp & Paper Mills
- Sewage Treatment
- Leather Tanning
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Iodine I₂ Gas Detector

➤ Features

Part No. 01-2628

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 5.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Chemical Processing
- Pharmaceuticals
- Laboratories
- More

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Model TA-2100 *smarter* Jet Fuel (Jet A - JP - 8) Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26190

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0-100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Aviation Fuels
- Jet Turbine Engines
- Kerosene Uses
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Methylamine Gas Detector

➤ Features

Part No. 01-26187

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0-200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Water Purification
- Chemical Processing
- Gas & Oil Treatment
- Paper Production
- Pharmaceuticals
- Laboratories
- Resin Production
- Agrochemicals

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Methylene Chloride Me-Cl₂ Gas Detector

➤ Features

no false alarms solid state MOS sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -40°C to +75°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26165

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Solid State MOS
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 250 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	5 ppm minimum detection level
Zero Drift:	less than 5 ppm
Temperature Range:	-40°C to +75°C
Humidity Range:	5 - 100% RH, non-condensing
Response Time:	<30 sec. to 50% of final reading
Recovery Time:	<30 sec. to 50% recovery
Sensor Service Life:	>3-5 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Degreasing
- Chemical Processing
- Paint Stripping
- Aerosol Propellents
- Plastics Production
- Laboratories
- Wood Stains & Finishes
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Methyl Ethyl Ketone Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26192

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Paints & Coatings
- Chemical Processing
- Industrial Cements
- Plastics Production
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Nitric Acid Vapor HNO₃ Gas Detector

➤ Features

Part No. 01-2612

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Chemical Processing
- Food Processing
- Explosives Production
- Dye Production
- Laboratories
- More

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Model TA-2100 *smarter* Nitric Oxide NO Gas Detector

➤ Features

Part No. 01-2623

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 3 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	15 - 90% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<45 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Nitric Acid Production
- Chemical Processing
- Semiconductors
- Laboratories
- Agrochemicals
- More

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Model TA-2100 *smarter* Nitrogen Dioxide NO₂ Gas Detector

➤ Features

Part No. 01-2605

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<45 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Nitric Acid Production
- Chemical Processing
- Industrial Emissions
- Laboratories
- More

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Oxygen O₂ Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -15°C to +40°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2625

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 25.0 % Volume
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 % Vol. minimum detection level
Pressure Coefficient:	0.01% signal/mBar
Temperature Range:	-15°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loca. avail.

➤ Applications

- Aerospace
- Chemical Processing
- Pulp & Paper Mills
- Boilers
- Combustion Processes
- Gasification
- Steel Mills
- Pharmaceuticals

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Phosphine PH₃ Gas Detector

➤ Features

no false alarms electrochemical sensor technology

Self-Calibration adjusts monthly based on sensor life curve

Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches

Not affected by temperature -20°C to +40°C, stable by design

LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators

Offsite sensor calibration with memory chip embedded in sensor

Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration

Optional Relay Module; low, mid, high and fault conditions

Optional RS-485 Modbus RTU Network interface

Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2645

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.00 - 1.00 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.01 ppm minimum detection level
Zero Drift:	less than 0.02 ppm
Temperature Range:	-20°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Semiconductors
- Chemical Processing
- Grain Fumigation
- Tobacco Fumigation
- Flame Retardants
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Silane SiH₄ Gas Detector

➤ Features

- no false alarms** electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +40°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

Part No. 01-2646

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 50.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.3 ppm
Temperature Range:	-20°C to +40°C
Humidity Range:	15 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>2 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Semiconductors
- Chemical Processing
- Solar Panel Production
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Styrene Monomer Gas Detector

➤ Features

Part No. 01-26171

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Styrene Polymer Production
- Chemical Processing
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Model TA-2100 *smarter* Sulfur Dioxide SO₂ Gas Detector

➤ Features

Part No. 01-2608

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Sulfuric Acid Production
- Chemical Processing
- Pulp & Paper Mills
- Food & Beverage
- Dried Fruit Production
- Fruit Preservatives
- Fungicides
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Sulfuric Acid Vapor H₂SO₄ Gas Detector

➤ Features

Part No. 01-2614

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** patented electrochemical sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -25°C to +50°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Available suitable for use in **SIL 2** environments / Advanced diagnostics

➤ Specifications

Detection Principle:	Electrochemical - Amperometric
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0.0 - 20.0 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	0.1 ppm minimum detection level
Zero Drift:	less than 0.1 ppm
Temperature Range:	-25°C to +50°C
Humidity Range:	10 - 95% RH, non-condensing
Response Time:	<60 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Sensor Service Life:	>3 years typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	CSA, Class I GR B,C,D haz. loc. avail.

➤ Applications

- Chemical Processing
- Battery Rooms
- Fertilizer Production
- Pharmaceuticals
- Laboratories
- Detetergents
- Insecticides
- More

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Toluene Gas Detector

Part No. 01-26216

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Paint Manufacturing
- Chemical Processing
- Metal Degreasing
- Electroplating
- Pharmaceuticals
- Laboratories
- Pesticides
- More

Specifications subject to change without notice due to continued program of product innovation.

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons
Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Trichloroethylene Gas Detector

➤ Features

Part No. 01-26184

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Electroplating
- Chemical Processing
- Iron & Steel Production
- Metal Degreasing
- Paper Production
- Laboratories
- Rubber Production
- Semiconductors

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* PID VOC Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-26114

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 - 200 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Chemical Processing
- Degreasing
- Cleaning Solvents
- Disinfectants
- Laboratories
- Paints & Varnishes
- Pesticides
- Industrial Emissions

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Vinyl Chloride Monomer Gas Detector

➤ Features

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

Part No. 01-2669

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -250 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- PVC Production
- Chemical Processing
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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Gas Detection **no false alarms** Fire Detection

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Model TA-2100 *smarter* Xylene (-o, -m, -p) Gas Detector

➤ Features

Part No. 01-26145

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Dust Guard
- Splash Guard
- Wireless Module
- 110/220 VAC
- Calibration Kits
- 316 SS Enclosure

- no false alarms** PID Photo-Ionization sensor technology
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature -20°C to +55°C, stable by design
- LCD display - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - LED alarm indicators
- Offsite sensor calibration with memory chip embedded in sensor
- Peak Value, 15-min. TWA, Remaining Sensor Life, Replace Sensor indication and number of days since last gas calibration
- Optional Relay Module; low, mid, high and fault conditions
- Optional RS-485 Modbus RTU Network interface
- Advanced diagnostics - continuous on-board systems monitoring

➤ Specifications

Detection Principle:	PID Photo-Ionization
Detection Method:	Diffusion or Sample Drawing
Detection Range:	0 -100 ppm (parts-per-million)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.82 W @ 24 VDC
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	3 or 4 wires, shielded
Optional Connections:	RS-485 Half-duplex (Modbus RTU)
Resolution:	1 ppm minimum detection level
Zero Drift:	less than 1% of full-scale
Temperature Range:	-20°C to +55°C
Humidity Range:	5 - 95% RH, non-condensing
Response Time:	<30 sec. to 90% of final reading
Recovery Time:	<30 sec. to 90% recovery
Lamp Service Life:	>12 mos. typical; normal conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4X
Enclosure Certifications:	CSA/UL/FM Class I GR B,C,D

➤ Applications

- Cleaning Agents
- Chemical Processing
- Paint Thinners
- Aviation Fuels
- Pesticides
- Laboratories
- More

Specifications subject to change without notice due to continued program of product innovation.

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