



Model TA-2100 *smarter* Fixed Gas Detectors Toxics, Combustibles, VOCs, Oxygen Hundreds of Gases & Vapors

➤ **Features**

- no false alarms** utilizing stable and reliable sensor technologies
- Self-Calibration adjusts monthly based on sensor life curve
- Auto-Gas Calibration, non-intrusive, hands-free, magnetic switches
- Not affected by temperature/humidity over specified range - 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

Options

- Modbus RTU
- Relay Module
- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Splash Guard
- Wireless Module
- 110/220 Vac
- Calibration Kits
- 316 SS Enclosure
- Sil 2 (some models)

➤ **Specifications** - Typical (see specific data sheet)

Specifications subject to change without notice due to continuing program of product innovation. See specific data sheets for more information.

Detection Principle:	PID, Catalytic, Electrochemical, Infrared, Solid-State MOS
Detection Method:	Diffusion, Remote Sensor or Sample Drawing with Integral Pump
Detection Range:	Low ppm to % volume (depends on gas type - see specific data sheet)
Calibration Method:	Non-intrusive, magnetic tool
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	1.08 - 1.82 W @ 24 VDC (see specific data sheet)
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/0.1 ppm/1 ppm/0.1% volume/1% LEL (depends on gas type)
Zero Drift:	less than 1% of full-scale typical
Temperature Range:	-40°C to +55°C (depends on gas type - see specific data sheet)
Humidity Range:	0 - 95% RH, non-condensing (see specific data sheet)
Response Time:	<30 sec. to 90% of final reading (see specific data sheet)
Recovery Time:	<30 sec. to 90% recovery (see specific data sheet)
Sensor Service Life:	> 2 years typical, depends on sensor type and conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Certifications:	UL/CSA, Class I, Division 1, GR B,C,D (see specific data sheet)

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