

IR-2200D Gas Analyzer



The IR-2200D Gas Analyzer was designed for stability, speed of response, and accuracy. The IR-2200D provides high sensitivity and resolution and offers three standard ranges: 0-1, 0-10, and 0-25%. Also standard are digital display, recorder output, and ambient air calibration. Options include inboard sample pump, 4-20 mA output, dual set-point alarms, and specialized enclosures. The sensor cell is rated for a minimum of 12 months life; this life is extended for lower gas levels such as found in flue gas.

Product Features/Benefits Continuous Monitoring

Built for continuous operation, this analyzer utilizes a long-life sensor designed for continuous use, allowing the user high performance with uninterrupted operation.

Long-term Stability

Inherent in the design with its compensation and high-quality electro-chemical sensor, this instrument is unsurpassed in stability, accuracy, and durability.

Response Time

A fast and accurate response time of less than 10 seconds provides a true picture of the changing conditions of the gas sample stream.

High Accuracy

+ or - 2% FS accuracy yields reliable, drift-free results.

Outputs

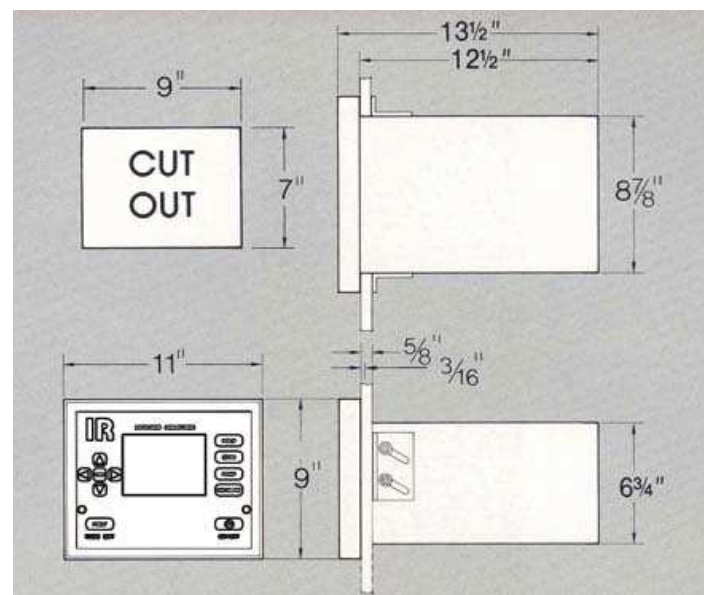
Features a large, easy-to-read 7" graphic LCD display and selection from several outputs.

Housings

An assortment of standard configuration housings and mountings are available. Contact us for your custom needs.

APPLICATIONS

- Combustion Analysis and Efficiency
- Controlled Environments
- Flue Gas Monitoring
- Automotive Emissions Testing and Motorcycle Tuning
- Stack Gas Monitoring
- Safety Monitoring
- Fruit and Vegetable Storage
- Annealing Furnace Monitoring
- Toxic and Hazardous Gas Detection
- Process Monitoring
- Steel Production
- Confined Spaces



IR-2200D GAS ANALYZER

SPECIFICATIONS

PERFORMANCE

Accuracy: + or - 2% FS @ 72 degrees F

Response Time: <10 seconds typical

Stability: + or - 2% FS per month

Repeatability: + or - 1% FS

GAS SAMPLE REQUIREMENTS

Inlet Gas Temperature: 0 to 150 degrees F

Inlet Pressure: 1 to 10 psig

Flow Rate: 0.3 to 3.0 scfh

Humidity: 95% non-condensing

OUTPUTS

Analog: One of 0-10mV, 0-100mV, 0-1V, 0-5V, and 4-20mA (optional)

Digital: RS232 (optional)

Alarms: Dual set-point alarms with separate, fail-safe, SPDT contact enclosures; visual and audible alarms (optional)

Digital Display: 3.5" x 7" high-intensity LED display

GAS FLOW SYSTEM

Connections: Stainless steel, polypropylene 1/4" tube fillings

Cell life: 18 months typical

MECHANICAL

Enclosure Options

- Explosion-proof
- Dust-proof
- Weather-proof
- Open frame
- Custom

Mounting Options

- Panel
- Wall
- Console
- Rack
- Portable
- Custom

POWER

- 90-260 VAC
- 50/60 HZ

Warranty

12 months standard; extended warranty available

GAS AND RANGE OPTIONS

NAME	GAS	RANGES	RESOLUTION
Oxygen	O2	0 - 1% 0 - 10% 0 - 25%	10 ppm 100 ppm 1,000 ppm
Carbon Monoxide	CO	0 - 200 ppm 1,000 ppm 4,000 ppm 40,000 ppm	1 ppm .5 ppm 1 ppm 100 ppm
Hydrogen Sulphide	H2S	0 - 50 ppm 200 ppm	.1 ppm .25 ppm
Nitric Oxide	NO	0 - 100 ppm 1,000 ppm	.5 ppm 1 ppm
Nitrogen Dioxide	NO2	0 - 20 ppm	
Sulphur Dioxide	SO2	0 - 20 ppm 100 ppm 2,000 ppm	.1 ppm .5 ppm 1 ppm
Chlorine	CL2	0 - 20 ppm	.1 ppm
Hydrogen	H2	0 - 2,000 ppm 10,000 ppm	2 ppm 10 ppm
Hydrogen Cyanide	HCN	0 - 100 ppm	.5 ppm
Hydrogen Chloride	HCl	0 - 100 ppm	.5 ppm
Ammonia	C2H2	0 - 2,000 ppm	1 ppm



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