

IR-6000 Series Handheld Gas Analyzers

IR-6000 Series Handheld Gas Analyzers Features:

- Measures up to five gases simultaneously
- Multi-language LCD display
- Built-in data recorder
- Completely self-contained unit
- Fast warm-up: less than 30 seconds



INDUSTRIAL HANDHELD GAS ANALYZERS FOR MOBILE JOB SITE TESTING

Now you have the power of our industrial gas analyzers in your hand with the IR-6000 Series Handheld Gas Analyzers. Available in various configurations, these analyzers are compact, lightweight, fast responding, highly accurate, reliable, and perfect for mobile job site testing.

Highly Customizable and Versatile

The IR-6000 Series Gas Analyzers can measure up to five gases simultaneously utilizing both NDIR and chemical luminescence sensors.

The wide range of available sensors and gases not only provides versatility, but also allows a configuration that is appropriate in accuracy and price for your application. We can customize not only the gases and sensors, but other components to meet your specialized needs.

APPLICATIONS

- Hydrocarbon monitoring
- Regulatory compliance
- Flue gas testing and measurement
- Hazardous gas detection
- Landfill BTU calculations and process
- Process monitoring
- Commercial ovens and stove emissions
- Stack gas monitoring
- Controlled atmospheres
- Greenhouse gas monitoring
- Safety monitoring
- CO₂ and O₂ based ventilation

Multi-language LCD Display

Text can be displayed on the LCD display in English, Spanish, or Arabic. If you have a need for several units in another language, please contact us to discuss.

Built-in Data Recorder

The IR-6000 Series Handheld Gas Analyzers has a built-in recorder that stores data, which can later be downloaded to a PC for analysis and safekeeping.

InfraView Software

You can hook up an IR-6000 analyzer to your PC and use InfraView Software from Infrared Industries to control, display, and graph the data from the IR-6000 and up to seven additional Infrared Industries gas analyzers or benches.

Infrared Industries Manufactured Components

The IR-6000 Series are completely self-contained gas analyzers. Each unit contains Infrared Industries manufactured elements, which include a filter, pump, optical bench, and detectors.

Company Overview

Infrared Industries got its start in 1959 and is widely recognized for serving the petroleum, utility, automotive, environmental, and industrial industries with rugged, reliable, accurate, and affordable analyzers. With over 50 years of experience, Infrared Industries has proven the ability to produce the finest measuring, monitoring, and compliance gas analyzer instrumentation available.

IR-6000 Series

HANDHELD GAS ANALYZERS

SPECIFICATIONS	
SPECIFICATION	VALUE
Measuring method	NDIR single beam and electro-chemical
Gas measured	User specified
Output	RS-232
Power	External: 10-16 VDC Internal: Rechargeable lithium ion battery pack
Sample flow	Internal sample pump
Ambient operating temperature	35° to 110° F (1.7° to 43.3° C)
Sample temperature	32° to 482° F (0° to 250° C)
Materials in sample flow path	Sapphire, polypropylene, Viton
Response time	Less than 10 seconds
Warm-up time	Less than 30 seconds
Display	Backlit LCD, graphic, 128x 64, multi-language (English, Spanish, and Arabic)
Front panel	5-button operator interface
Dimensions	7.5" x 3.5" x 2"
Weight	Less than 2 pounds

STANDARD GASES MEASURED

(others available upon request)

GAS	MINIMUM DETECTABLE LIMIT	MAXIMUM DETECTABLE LIMIT	ACCURACY
Carbon Dioxide (CO ₂)	10 ppm	100%	± 2% full scale or less
Carbon Monoxide (CO)	0.1%	100%	± 2% full scale or less
Methane (CH ₄)	500 ppm	100%	± 2% full scale or less
Oxygen (O ₂)	1000 ppm	100%	± 2% full scale or less
Propane	1 ppm	100%	± 2% full scale or less

ACCESSORIES AND OPTIONS

ACCESSORY	INCLUDED	OPTIONAL
Sample hose	x	
Rechargeable battery	x	
Serial cable	x	
One year warranty	x	
InfraView Software		x
External printer		x
Extended warranty		x

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