

IR-741 Sample Conditioner



PROVIDES A CLEAN SAMPLE FOR MORE ACCURATE READINGS

The **IR-741 Sample Conditioner** is used for laboratory, industrial, and utilities applications. It features a built-in pump and a flow meter and provides the flow regulation required for accurate readings with any gas analyzer.

A filter removes particulates and moderate amounts of water. This conditioner features inputs for two sample points as well as zero gas and calibration gas connections. The IR-741 is certified for NEMA 4 enclosures. This instrument is available for either corrosive or non-corrosive service and can be wall or desktop mounted.

Features of the IR-741

- Two-point sampling with zero and span selection
- Metered flow
- Particulate filtration and condensation trap
- Diaphragm pump
- Varied mounting options

Sample Requirements

- Sample Flow: 1-10 scfh (0.5-5 l/min)
- Maximum inlet pressure: 25psig (172 kPa)
- Maximum inlet temperature: 175° F (79° C)
- Minimum inlet temperature: 32° F (0° C)

Warranty

Infrared Industries warrants this product to be free of defects in material and workmanship for one year from the date of delivery. An extended warranty is also available.

Inside Controls

The following controls are inside the IR-741:

- **Flow Meter:** Indicates how much flow is present. When ordering, you can specify the standard of measurement as:
 - SCFH (standard cubic feet per hour)
 - SCFM (standard cubic feet per minute)
 - LPM (liters per minute)
 - LPH (liters per hour)
- **Low-Flow Alarm:** A warning light that comes on to let you know that you have low flow condition
- **SMPL (Sample Flow):** Allows you to adjust for sample flow
- **Sample Selector:** Allows you to select between two sample ports/sites, your span gas (calibration), or zero gas (to purge the analyzer)

Company Overview

Infrared Industries has been a leading developer and producer of state-of-the-art gas analyzers instrumentation since 1969. The company is widely recognized for servicing the motor vehicle, industrial, utility, environmental, research and analytic, and petroleum industries with rugged, reliable, accurate and affordable analyzers.

APPLICATIONS

- Industrial
- Utilities
- Laboratories
- Stove emissions certification