

IR-741XP Sample Conditioner

BUILT TO LAST IN TOUGH ENVIRONMENTS

The **IR-741XP Sample Conditioner** is for applications such as refineries and petroleum transfer stations, which require NEMA-7 (National Electrical Manufacturers Association) Class I, Div I hazardous areas compliance standards. Encompassing all the features of the standard IR-741, the IR-741XP boasts a temperature-controlled environment, low-flow alarm, and a NEMA-7 explosion-proof enclosure.

The IR-741XP rugged all-weather design will assure you of many years of trouble-free service while safeguarding your test equipment from maintenance inducing contaminants of your test site.

The IR-741XP features a built-in pump and a flow meter and provides the flow regulation required for accurate readings with any gas analyzer. The IR-741XP is pictured above with the IR-8400D Continuous Emissions Monitoring Gas Analyzer from Infrared Industries.

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. This instrument is available for either corrosive or non-corrosive service and is panel mounted.

Features of the IR-741XP

- Two-point sampling with zero and span selection
- Metered flow
- Particulate filtration and condensation trap
- Diaphragm pump
- Explosion-proof encasement

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.



Front Panel

The following are on the front panel of the IR-741XP:

- **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

- Refineries
- Industrial
- Utilities
- Combustion monitoring for boilers and furnaces
- Monitoring atmospheres in heat treated and annealing furnaces and process stream control