

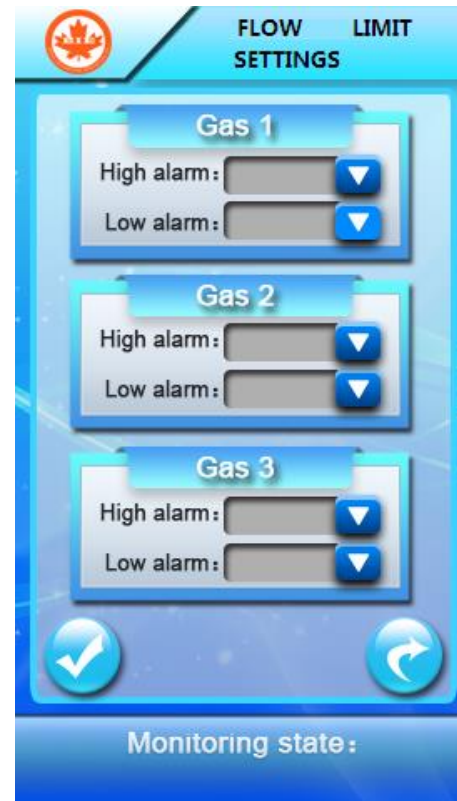


EIE

Pipeline Safety Monitor

EIE-CMF-01

## Pipeline Safety Monitor



- Detecting pipeline pressure, controlling flow, and automatically alarming.
- In laboratories and online analytical instruments.
- Monitoring gases such as nitrogen, hydrogen, helium, and air.
- Avoiding serious safety hazards.



**EIE**

**Pipeline Safety Monitor**

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## Introduction

The Pipeline Safety Monitor, developed by Canada Etech International Enterprises Inc. (EIE), has the functions of detecting pipeline pressure, controlling flow, and automatically alarming. It can be used in laboratories and online analytical instruments to monitor gases such as nitrogen, hydrogen, helium, and air. The gas pipeline safety monitor is exquisitely designed and can monitor three gas pipelines simultaneously.

The sophisticated pressure sensor can display pressure changes in real-time. The mass flow controller can provide a stable gas flow. The instrument can provide pressure alarm and flow alarm functions simultaneously, and users can set the alarm range. In the actual application of laboratories and online instruments, uninterrupted continuous operation is often required. If hydrogen and other flammable and explosive gases leak, it may cause serious safety hazards.

Canadian EIE company took the lead in launching the world's leading gas pipeline safety monitor with independent intellectual property rights, providing a perfect solution for gas pipeline safety monitoring. The gas pipeline safety monitor can be monitored by a single unit or multiple networked monitors. The data can be transmitted to the designated server in real-time, monitoring all gas pipelines' safety more conveniently. When there is insufficient air supply or air leakage in the pipeline, the alarm will be reported in time to ensure safety testing.

## SPECIFICATIONS

Technical Details	
Flow monitoring range	Different gas has a different range, such as
	Air: 0 - 1000 ml/min
	Hydrogen: 0 - 100 ml/min
	Nitrogen: 0 - 100 ml/min
	Helium: 0 - 100 ml/min
Flow monitoring accuracy	$\pm (0.15\% \times \text{setted value} + 0.5\% \times \text{full range})$ ml/min
Pressure monitoring range	0 - 1MPa
Pressure monitoring accuracy	$\pm 0.003$ MPa
Protective function	Upper and lower limit alarm
Data output	232 or 485, multiple units can be selected for networking so that the laboratory can centrally control the risk of gas leakage.
You can choose to monitor pressure and flow at the same time, or separate pressure monitoring and separate flow monitoring.	
Operating Environment	
Operating temperature	5 - 35 °C
Storage temperature	-10 - 55 °C
Relative humidity	< 85%
Operating place	Indoor