FOX
THERMAL INSTRUMENTS, INC.
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FOX FLOW NEWS

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Vent and Flare Gas Measurement

Rising levels of volatile organic compounds (VOCs) in the atmosphere are a subject of general concern and increasing environmental regulation. In order to monitor and quantify emissions, VOC concentrations as well as VOC flow rates must be measured to evaluate mass emission rate. The major reason for monitoring VOC emissions is to provide information for environmental audits. However, VOC monitoring can also help you:

- Identify opportunities to reduce emissions
- Evaluate performance of existing abatement equipment
- Identify and correct sources of fugitive emissions
- Demonstrate continual improvement in environmental performance
- Meet health and safety requirements and improve working conditions
- Optimize process flows throughout the plant or storage facility

The thermal mass flow meter's ability to provide a direct reading of mass flow rate without additional pressure and temperature instrumentation makes it ideal for measuring flow rates in flare stacks, ducts and tank vents (flash gas).

Advantages of Using Fox Thermal's Flowmeters in Emissions Monitoring Applications

1. Exceptional low-flow sensitivity provides accurate measurement over a wide range of venting and flaring operations
2. Heating stainless steel sensor is suitable for corrosive, particulate-laden gas streams.
3. No temperature and pressure compensation required.
4. Built-in alarms, totalizers and a wide variety of communications protocols available for easy interfacing with emissions management systems.

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Download our application literature to learn more about what Fox can do for your particular application.

Contact a Fox Application Specialist today!