FT2 Flow & Temperature Transmitter

Accurate Mass Measurement of Natural Gas Flow, Air flow and Other Gases

The Fox Model FT2 Thermal Gas Mass Flowmeter and Temperature Transmitter measures two important process variables with one rugged instrument. The Model FT2 measures gas flow rate in standard units without the need for temperature or pressure compensation. It provides isolated 4 to 20mA and pulse outputs for flow rate, and a 4 to 20mA output for process gas temperature. The pulse is normally used for totalization. Learn More

Direct Mass Flow Measurement

Fox thermal air and gas flowmeters are designed to be used in a wide variety of applications. Examples include inert and explosive gases, as well as mixed and corrosive gases. Constructed of rugged stainless steel or Hastelloy, Fox flow sensors provide a rugged, reliable, direct mass flow reading year in, year out. In addition, Fox offers both inline and insertion flowmeter configurations. Download our Full Line Brochure

Theory of Operation

Fox flowmeters use a Constant Temperature Differential (ΔT) technology. The sensor consists of two RTD elements. The Reference RTD measures the gas temperature. The instrument electronics heats the Heated Element to maintain a constant ΔT between the gas temperature and the Heated Element. The electrical power required to maintain a constant temperature differential is directly proportional to the gas mass flow rate. Read more...

New! Environmental Monitoring Guide

Fox thermal mass flow meters' accuracy specification exceeds the requirements defined by the EPA rule, and helps provide a reliable, cost-effective solution to environmental emissions monitoring challenges.

Click Here to download a PDF version of the Environmental Monitoring Guide

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

Contact a Fox Application Specialist today!