

Proquip, Inc. has the answer for accurate air & gas measurement!

The 10A Flowmeter



The Fox Model 10A Flowmeter incorporates mass thermal flow technology that operates on the law that fluids absorb heat. A heated sensor placed in the gas stream transfers heat to the gas in proportion to the mass flow rate. Using a bridge circuit, one sensor detects the gas temperature; a second sensor is maintained at a constant temperature above the gas temperature. The temperature difference results in a power demand that equals the gas mass flow rate. This circuit maintains accurate flow measurement over large temperature and pressure ranges. The Fox Model 10A Thermal Mass Flowmeter can be installed in hazardous areas and is FM and CSA approved

The Fox Model 10A Thermal Gas Mass Flowmeter offers these unique features:

- ✦ A direct mass flow measurement of gases in SCFM or other units. No pressure or temperature compensation required.
- ✦ Accurate flow measurement over a wide range. 100:1 typical.
- ✦ Easy, cost effective installation.
- ✦ Safe in explosive gas applications. FM and CSA approved.
- ✦ No moving parts and extremely low pressure drop.

Common gases:

Air, ammonia, biogas, butane, chlorine, compressed air, carbon monoxide, carbon dioxide, digester gas, ethane, ethylene, helium, hydrogen, methane, natural gas, nitrogen, oxygen, and propane.

Common Applications

Compressed air, Natural gas to boilers, Wastewater aeration, Hydrogen monitoring, Land fill vapor, Purge monitoring, Flare headers, Exhaust gas



The **NEW** Fox FT2 Thermal Gas Flowmeter & Temperature Transmitter

The Fox Model FT2 is a state-of-the-art Thermal Flowmeter and Temperature Transmitter. It offers direct mass measurement of gases in Standard Cubic Feet per Minute (SCFM), Normal Cubic Meters per Hour (NM2H), Kilograms per Hour (Kg/Hr), and other mass units without the need of pressure or temperature compensation. Two isolated 4 to 20 mA outputs (one for flow and one for temperature) and one pulse output (for flow) are standard. Fox Flowmeters are capable of measuring low velocity flow better than any other flow technology. This results in a wide measurement range and turndown: 100 to 1 typical; higher in many applications

Inline and insertion models are available. Inline flowmeters are available for 1/4" to 6" pipes and have built-in flow conditioners which reduce the requirement for long straight pipe upstream and down stream. Insertion type flowmeters substantially reduce installation cost and can be installed in pipe sizes from 1-1/2" up to large ducts. Other feature include:

- ✦ The Fox Power Pro Sensor is operated at a higher power level than competitive models resulting in improved response time and wider turndown.
- ✦ The sensor is all-welded and is constructed of 316 stainless steel or Hastelloy C276 as an option. There are no moving parts.
- ✦ The FT2 is field programmable using the Display and Configuration Panel or a Palm PDA.
- ✦ Communications options include RS232 for connecting a Palm Handheld or computer; RS 422/RS485-Modbus, Profibus-DP, DeviceNet and Ethernet.