

Manage Your Flow Energy Costs Downward

1) Liquid Oil and Fuel Flow Energy

- Measure custody transfer of diesel, fuel oils, and heat transfer oils
- Measure both flow and heat energy/BTU in heat exchangers
- Mass flow measurement reduces installation costs
- Half the pressure drop of an orifice or turbine meter reduces operating costs

2) Combustible Gas Flow Energy

- Measure custody transfer of natural gas, landfill gas, and digester gas
- Measure flow and heat energy/BTU content in natural pressure gases
- Monitor combustion fuel flow for high efficiency combustion
- Fast response to changes in flow rate for safer operation

3) Compressed Air Usage Flow Energy

- Measure both low and high pressure air used in blowdown or pneumatic control systems
- Monitor combustion air flow for high efficiency combustion
- Monitor compressor efficiency and reduce operating costs

4) Hot Water Flow Energy

- Measure hot water, makeup water, and blowdown water
- Measure the enthalpy and energy/BTU content
- Determine boiler efficiency
- Monitor boiler blowdown to reduce maintenance and chemistry costs

5) Steam Header Flow Energy

- Measure saturated or superheated steam mass flow rate, temperature and pressure (from one instrument)
- Measure steam enthalpy and BTU/energy content
- Measure custody transfer of steam
- Alarms for a rapid decline in pressure, or high pressure states that indicate emergency situations and improves safety

6) Chill Water Flow Energy

- Measure enthalpy and BTU/energy content of cold water
- Calculate custody transfer of heat energy in heating/cooling systems
- Monitor HVAC efficiency and reduce operating costs

