



Emerson Impact Partner

Flow Audits

---

Verify Pump Performance

---

Performance Evaluation

---

Thermal Energy Measurement

---

Mass Flow Measurement

---

Certification of Existing  
Flow Meters

---

Valve Leak Test

---

Fire Water Pump Testing

---

Leak Detection

---

Regulatory Compliance  
Metering

**FLEXIM**™



# Flow Measurement Services for all Industries

**VERIFICATION ~ COMPLIANCE ~ CALIBRATION**

*Non-intrusive Flow Measurement with FLEXIM*



In today's energy-efficient and environmentally conscious atmosphere, facility and plant metering must be verified and calibrated for accuracy to meet audit and regulatory demands.

This is especially true for energy intensive industries such as the Hydrocarbon value chain but also is pertinent in all industries where energy is measured and consumed. Laurentide Controls, FLEXIM Flow Measurement Service offers the knowledge, experience, and instrumentation to answer your questions.

How Do You Know?

- » If your pumps are functioning properly?
- » If your exchangers are performing?
- » If your custody meters are under or over billing?
- » If cooling towers are operating properly?
- » If your processes are operating at peak efficiency?
- » If DCS/PLC algorithms are correct?
- » If your flow meters are drifting?

FLEXIM'S highly portable and versatile flow meters are hazardous area approved and allow for measurements in even the most demanding environments.

Providing process insight for optimization opportunities within:

- Oil and gas refineries and transportation:
- » Crude oil
  - » Hydrogen
  - » Hydrocarbons
  - » Natural gas
  - » NGL products

- Chemical and petrochemical industrie:
- » Caustic products
  - » Acids
  - » Industrial gases
  - » High-temperature fluids
  - » Cooling water

- Energy efficiency:
- » Dry steam
  - » Condensate
  - » Hot and cold water
  - » Compressed air
- Energy generation:
- » Dry steam
  - » Cooling water
  - » Fuel (oil, natural gas)

- Water and wastewater:
- » Drinking water
  - » Waste water
  - » Sludge
  - » Industrial water

- Mining sector:
- » Process water
  - » Flotation additives
  - » Lubricating oil
  - » Hydraulic oil
  - » Leaching solutions
  - » Sulfuric acid
  - » Compressed air

- Pulp and paper, wood and fiber:
- » Process water
  - » Condensate
  - » Effluent water
  - » Black liquor
  - » Caustic
  - » Bleaching chemicals

- Pharmaceutical and food industry:
- » Pure water
  - » Milk, juices, oils
  - » Solvents
  - » Sterile fluids
  - » Pharmaceutical liquids
  - » Steam for sterilization
  - » Cleaning water

What makes us different:

- NIST traceable reference meter
- 30+ years industry experience

Non-intrusive technology, thus no need for process shutdowns

Ability to measure at low-velocity flow rates that no other technology can capture

Service in demanding industrial environments

FLEXIM rental opportunities available

What We Do

We confirm and certify flow rates of existing volume and mass flow meters at your industry-specific application. With the highly accurate FLUXUS ultrasonic flow meters (NIST traceable to reference meter), zero flow conditions, as well as highly dynamic flow rates can be monitored and permanent meters can be checked and verified.



We also offer complete thermal energy measurements that can help you evaluate the performance of your heat exchangers or the proper operation of your cooling towers. Our RTD clamp on temperature sensors, which are matched and paired, offer an accuracy of 0.06°C.



We provide formal reports, and in-depth data in a snap with the portable reference meters. The flow analysis carried out is NIST traceable and offers a high degree of accuracy and reliability. FLEXIM's sophisticated noise suppression algorithms and NIST traceable flow analysis offer a high degree of accuracy and reliability. Matched and paired transducers, integrated temperature compensation, and advanced meter verification allow for precise, detailed, and informative report generation.



Emerson Impact Partner



The Measurement Instrumentation service team, specializes in verification and calibration of existing flow measurement devices, and flow audits where existing metering is not present. With over 30+ years of experience in Flow Measurement solutions.

### Rental Program

Laurentide Controls carries FLEXIM transmitters and transducers available for rent to suit almost any flow measurement requirement.

Reach out to Laurentide Controls for a conversation about your flow application. Our team of flow experts will help you discover the optimal solution for your flow measurement needs and can include the initial installation service along with training on its use

### In Partnership with You

Laurentide Controls, a leader in automation and process control solutions in Eastern Canada, is proud to represent FLEXIM, a global leader in non-intrusive ultrasonic flow meters. This partnership, made possible by Emerson's recent acquisition of FLEXIM, allows Laurentide to bring advanced flow measurement technology to all its customers and partners, supported by our expert team of engineers and technicians.

Call us or request a quote online

514 697-9230 | [LAURENTIDE.COM](http://LAURENTIDE.COM)

