

Ultrasonic Flow Meter Optimized For Thermal Energy/BTU

FEATURES

- One meter for a wide range of pipe sizes from 1/2 to 24 inches (20 to 600 mm)
- Clamp on or insertion transducers measure in-direction flow
- Optional clamp on or insertion PT 100 temperature inputs for thermal energy/BTU measurement
- Optional current input modules for pressure, temperature, or density
- Accuracy $\pm 0.1\%$ of reading from 0.1 to 40 Mc (0.25 to 10 Mc)
- Repeatability $\pm 0.1\%$ of full scale
- Clamp on transducers operating temperature range: -40°F to 120°F (-40°C to 50°C)
- Clamp on high temperature transducers operating temperature range: -40°F to 120°F (-40°C to 50°C)
- 1.5 to 26.1 inch insertion 3M transducers operating temperature range: -40°F to 120°F (-40°C to 50°C)
- Big pad with 14 touch keys with 14 back functions plus six quick entry keys
- Non-volatile
- Automatically detects sensor type, calculates output mounting
- Internal memory data logger
- Modbus RTU/RS-485 output Serial Protocol over RS-232, USB, Ethernet



www.sierrainstruments.com



InnovaSONIC 207i



DESCRIPTION

The InnovaSONIC 207i is a non-invasive, clamp-on or insertion based, non-invasive flow meter for general industry use on liquid flows. The 207i is optimized for thermal energy/BTU measurement of fluid flow to give you the critical flow energy data you need to manage costs and maximize efficiency.

A critical element is a thermal energy measurement is the amount of heat transferred between the hot flow and cold flow legs. Sierra leads the industry in making these accurate measurements with an advanced thermal flow flow technology.

Our proprietary Super II operating system works with our fluid properties database to provide real time density compensation. By accurately measuring the fluid flow, taking into account all fluid properties, and making a series of measurements, thermal energy/BTU's can be calculated with a high degree of accuracy.

With a robust stainless steel hardware, the 207i features a large built-in display and dual function keypad with tactile feedback. The meter is rugged and convenient to set up and use. Clamp on sensors have no pipe cutting or expensive plumbing to install, making the 207i thermal energy/BTU a complete flow monitoring system in a wide range of applications.

The InnovaSONIC 207i features 400' resolution collection of the entire system and is a complete thermal energy/BTU monitoring package you can trust for highly accurate flow energy measurement.