Your complete flow energy solution is here.

For what we call our Big-3, Sierra has become a recognized expert in thermal mass (QuadraTherm®), vortex shedding (InnovaMass®), and transit-time ultrasonic (InnovaSonic®). Sierra is the only company in the USA to design, build and calibrate all three flow technologies.

The Big-3 are optimized to be a complete solution for flow energy measurement—facilitate flows that impact costs like compressed air, natural gas, steam, and hot or chilled water.

As new apps and improvements become available, all Big-3 technologies benefit and are field firmware upgradable.
### QuadraTherm®
- **Accuracy:** Up to +/- 0.5% of reading
- **Gases:** Air, natural gas, mixtures, flammables, inert gases
- **Flow rates:** Down to 0.03 smps (0.1 sfps) & up to 305 smps (60,000 sfpm)
- **Pipe/duct sizes:** 2 inches to 72 inches (1.8M)
- **Hot-tap probe retractor**
- **100:1 turndown**

### InnovaMass®
- **Accuracy:** Up to +/- 0.7% of reading
- **Fluids:** Mass or volumetric flow metering of gases, liquids, steam
- **Pipe/duct size:** Insertion version: 2 inches (50.8mm) to 72 inches (1.8M)
  - Inline version: 1 inch (DN25) to 8 inches (DN200)
- **Hot-tap probe retractor**
- **30:1 turndown**

### InnovaSonic®
- **Accuracy:** +/- 0.5% of reading from 0.16 to 40 ft/s (0.05 to 12 m/s)
- **Fluids:** Water and all liquids
- **Pipe/duct size:** Fits a wide range of pipe sizes from 2 inches to 236 inches (50 to 6000 mm)
- **Optional** clamp-on or insertion transducers measure bi-directional flow
- **Optional** clamp-on or insertion PT 100 temperature inputs for thermal energy/BTU measurement

### APPS
- **ValidCal™ Diagnostics**
- **Flow Totalizer**
- **MeterTuning**
- **Dial-A-Pipe™:** Change pipe size
- **Dial-A-Gas™:** Change gas type
- **qMix**

**Watch video >** sierrainstruments.com/thermal-principle

**Learn more >** sierrainstruments.com