

# Specifications

## Model: 340



May 2005

### Btu Transmitter

The energy transmitter shall be a microprocessor based unit which accepts one flow and two temperature inputs to compute Flow Rate, Flow Total, Delta T, Energy Rate, and Energy Total. Flow inputs shall be either pulse or sine wave, with selectable units of measure. Temperature inputs shall be from 10k ohm thermistors, with field selected units of °F or °C .

A Windows® based programming kit consisting of software and communications cable shall be used to program for pipe size, units of measure and output pulse configuration. The programming kit also shall permit viewing of the configuration, Flow Rate, Flow Total, Energy Rate, Energy Total, and the two Temperatures.

The output shall be an isolated solid-state switch, which can be configured in the field as a scaled pulse output to represent either flow or energy at various resolutions and pulse widths. A non-volatile memory, requiring no battery back up shall protect the data from power losses.

The transmitter shall operate on power of 12-24 VDC or 12-24VAC and have a ground lug to maximize EMI protection when necessary. The transmitter may be wall or panel mounted up to 500 feet from the sensors. DIN Rail Clips, Metal or Plastic enclosure options shall be available.

The flow transmitter shall be Data Industrial Model 340-XX.