Specifications
Model: 1550

Data Industrial®

September 1998

BTU MONITOR

The energy monitor shall be a microprocessor based digital unit capable of calculating and displaying energy rate, energy total or flow rate on a two line by eight-character alphanumeric LCD. The energy monitor shall accept digital flow inputs or optional sine wave flow signals and may be field programmed to any sensor by entering a “K” or “K” and “offset” number. The monitor shall accept signals from two 10 Kohm thermistors for temperature inputs. All data shall be entered via four keys mounted on the front panel. Monitor shall feature a software lock to protect the entered data from unauthorized changes. A non-volatile memory, requiring no battery back up shall protect the data from electronic losses. The monitor shall feature an Infinite Impulse Response Filter (IIRF) to smooth the calculation of flow, temperature and energy.

The Series 1550 shall conform to DIN standard dimensions for panel mounting, and shall feature a NEMA 4X rated front panel, optional NEMA 4 wall mount available. Monitor shall operate on power of 12-24 VDC.

The energy monitor shall feature standard 100-msec pulse output user programmed to energy total. Options shall include a relay contact closure or opto-isolated open collector output for energy total or either an isolated 4-20 mA analog output or 0-10 vdc non-isolated analog output for energy rate. All optional features shall be programmable from the keypad.

The flow monitor shall be Data Industrial Model 1500-XXX.

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