

BTU Meter 6430



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BTU/Heat Meter is designed to measure the rate of thermal energy flow and total energy consumption in liquid heating and cooling applications. To know precisely the amount of energy extracted, rely on Adept BTU Meter. It measures parameters such as flow of the medium, and inlet and outlet temperatures. Net Heat Transfer is automatically calculated by using this data of temperature difference.

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Main parts of this meter are -

- ▲ Electromagnetic or Ultrasonic Flowmeter (Clamp-on)
- ▲ Matched pair of Temperature Sensors
- ▲ BTU/Heat Meter (Calculator)

Salient Features

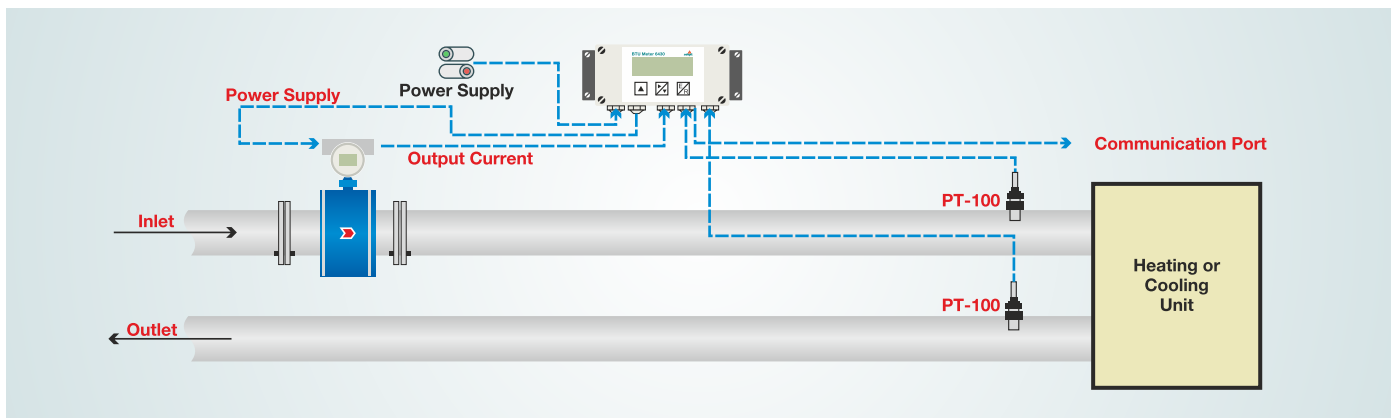
- ▲ It uses the most accurate Electromagnetic / Ultrasonic Flowmeter
- ▲ All Flowmeters are factory calibrated to ensure highest accuracy
- ▲ Matched pair of accurately calibrated Temperature Sensors
- ▲ User-defined flow units for the Flowmeter
- ▲ Displays instantaneous and totalised flow
- ▲ User-defined units for Net Heat Computing
- ▲ Non-volatile memory stores data in case of power failure
- ▲ Easy-to-operate keypad. Just 3 keys to select desired operating mode
- ▲ Password protection for all programming modes
- ▲ Computer interface to supervisory computer through BACnet IP or RS 485 communication port

Applications

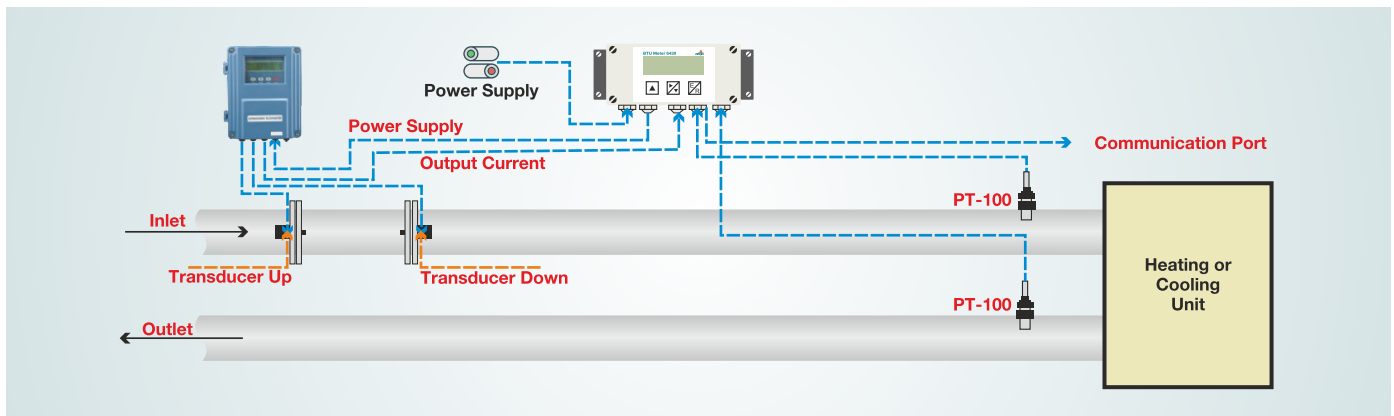
- ▲ Commercial offices for tenant billing
- ▲ Residential apartments for tenant billing
- ▲ Cooling measurement in water-based systems
- ▲ Leak surveillance of hot and cold water installations
- ▲ Power and flow limiter with valve control
- ▲ Energy measurement in open systems

Measures Energy Flow precisely and conveniently

BTU System Installation Layout for Electromagnetic Flowmeter Model MagFlow 6410



BTU System Installation Layout for Clamp-on Ultrasonic Flowmeter Model UFM 6710



Technical Specifications

BTU 6430 Meter

Parameters	Specifications
Power supply	80 - 300 V AC
Flowmeter input	4 - 20 mA DC from Flowmeter (Ultrasonic/Electromagnetic/any other)
Temperature input	Matched pair of PT-100 or PT-1000 sensors, Standard length - 6 m
Display	2 Line LCD
Communication	RS 485 (Modbus RTU), BACnet IP (Optional)
Mounting	Wall-mount
Accuracy	± 0.1% of measured value
Output - Analog	4 - 20 mA DC
Output - Contact	Relay (Optional)
Energy function	Heat/Cool
Energy display	W, J, BTU, Cal
Sampling period	1 sec.
Environment temp.	Up to 65°C
Water temp.	0 to 50°C (Please consult factory for any other liquid.)
Enclosure class	IP 65



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