

5202 Series Remote BTU Meter System

Size: 1/2" – 12"



Description

The 5202 Series Smart BTU Meter calculates energy consumption by multiplying the flow volume by the difference in water temperature between the supply and return lines. The resultant BTU value is displayed on the calculating unit's non-resettable 7 digit LCD index. The BTU calculating unit can be mounted remotely and includes the two temp. sensors and a pulse input terminal for taking flow data from an appropriately sized water meter with pulser. The unit also features a Chip Card slot. When the credit card sized Service Card is inserted, other data such as temperatures (°C), flow rates (liters/hr), totalized flow (m3), can be viewed on the LCD. Using a Data Chip Card the total BTU count, 13 months of time stamped data and the meter ID are transferred to the card. A single Data Chip Card can store information for up to 50 meters. The information from the card can then be downloaded to a computer.

Applications

- Submetering heating or cooling systems
- Metering energy output from solar systems
- Ground Source Heat Pumps
- Energy Audits/efficiency studies

Optional Accessories & Services

- Service Chip Card
- Data Chip Card (Monthly time stamped BTU)
- Chip Card Reader
- M-Bus communications

For Sales & Service Contact:

41 Magnolia Avenue
Cambridge MA 02138
Phone: (617) 290-2134
Fax: (240) 250-8907

Follin Flo-Controls

www.FollinFlo-Controls.com
sales@FollinFlo-Controls.com

Doc. Ref: 5202_Rem_BTU_Bulletin_FFC_v1

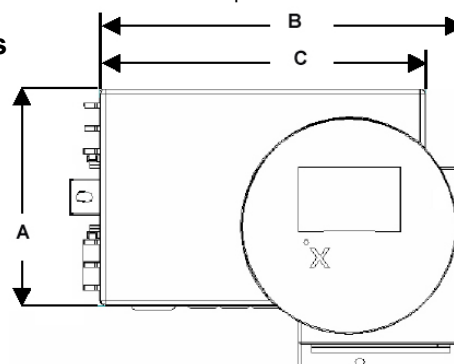
5 Heritage Hill Rd.
Norwalk, CT 06851
Phone: (203) 845-0593
Fax: (203) 846-3825

Operating Specifications / Tech Data

| | |
|--------------------|--|
| Temp. Range | 23°F - 356°F (-5°C - 180 °C) |
| Max Op. Pressure | 230 PSIG (16 bar) |
| Readout (LCD) | 7 Digits, BTU x 1000 |
| Flow Ranges | 0.13 to 5284 GPM |
| T-Sensor Wells | 3/8" NPT |
| T-Sensor Cable L. | 10' each |
| T-Sensor Type | Platinum RTD |
| Power | Li battery - 6 yr. (std) or 10 yr (opt.) or 24V AC |
| Water Meter Sizes: | 1/2" NPT to 12" Flanged |

*See 1700 and 1800 series water meter specifications

Dimensions



| | A | B | C |
|-------------------|-------|-------|-------|
| Remote Dimensions | 3.35" | 5.63" | 5.04" |

Installation Considerations

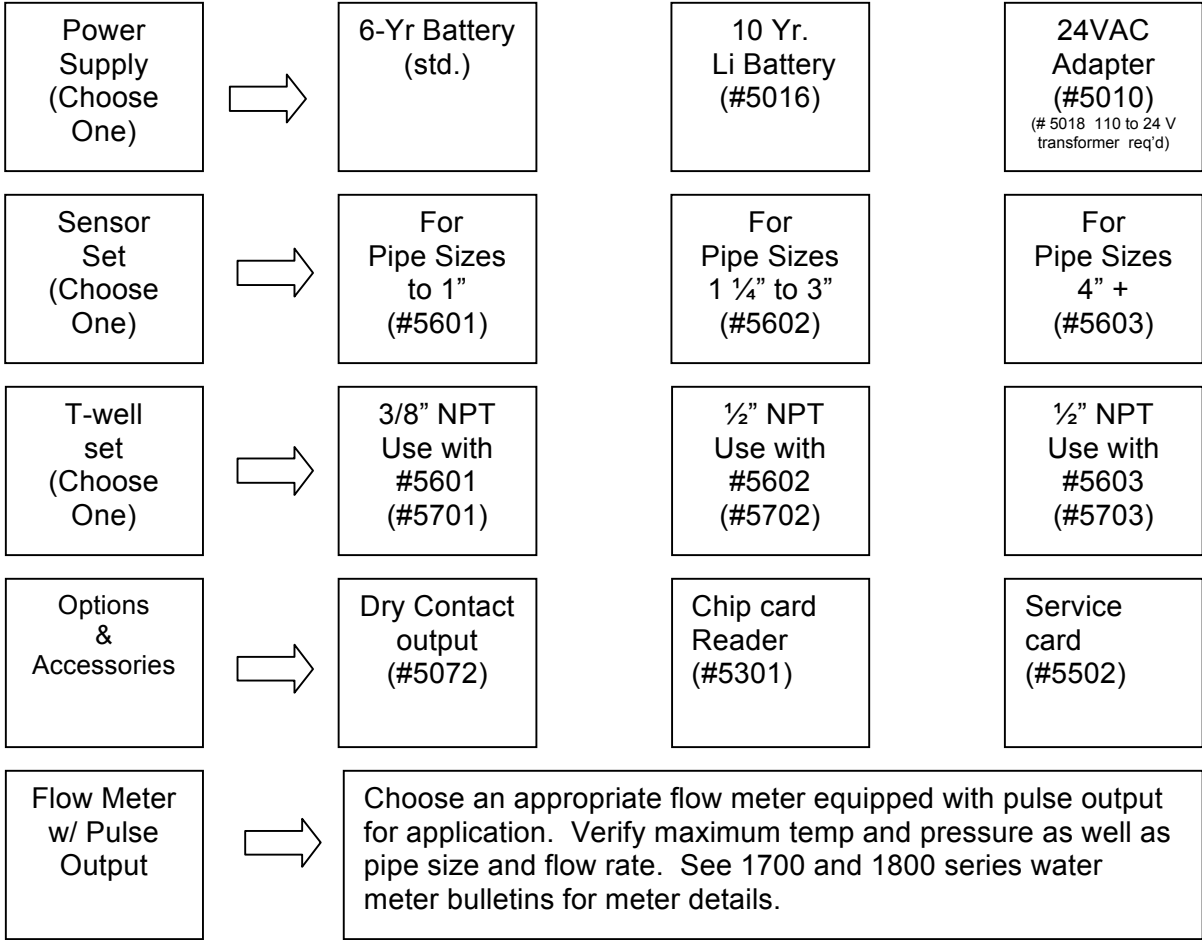
The flow meter and one sensor are typically installed in the return line or downstream of a zone valve. The other T-sensor is installed in the HW supply line.

Isolation valves should be installed in inlet and outlet of meter

Pulse output from the meter is run to the calculating unit. The BTU calculating unit also provides an open collector or dry contact pulse output proportional to the heating energy count.

See attached matrix for choosing a system

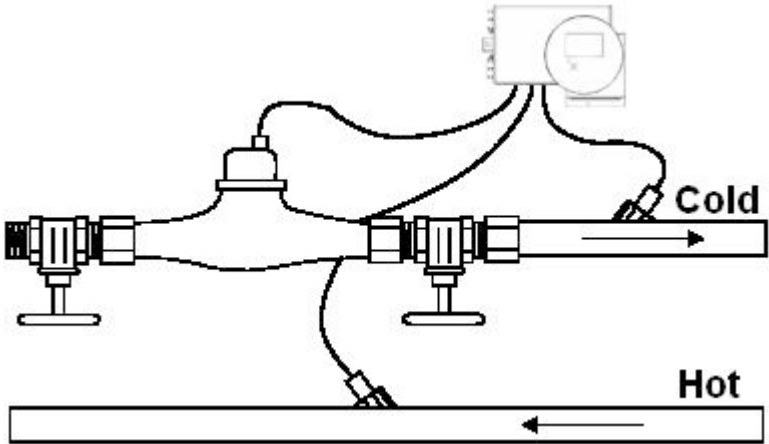
How to select a series 5000 BTU metering system:



Typical Installation

A typical system consists of the following components:

- (1) Series 5202 BTU Calculating unit w/ 10 Ft Probes
- (2) Temperature Sensors
- (2) Temperature Wells
- (1) Flow Meter w/ Tailpieces



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