Instruments **Direct** — ULTRASONIC FLOW METER RENTAL & SALES

1
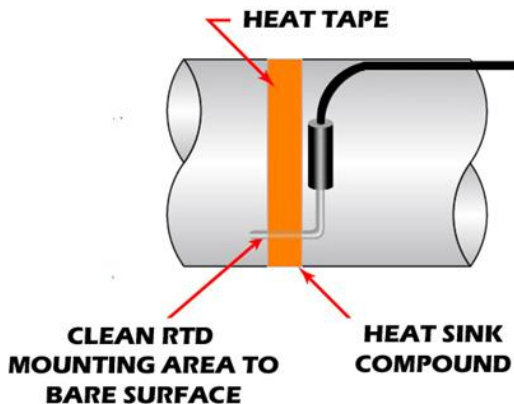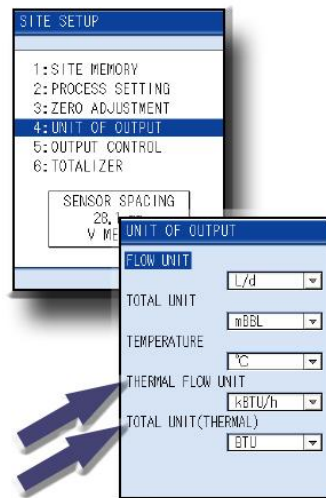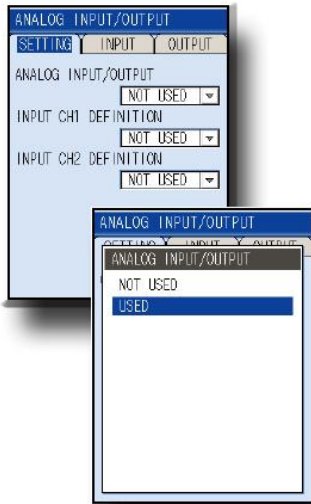
- **In order to read Temperature, the FSCS requires the Energy Monitoring RTD Kit.**

- **Installation involves connecting the assembly to the Analog I/O located on the FSCS.**

HEAT TAPE

CLEAN RTD MOUNTING AREA TO BARE SURFACE

HEAT SINK COMPOUND

2

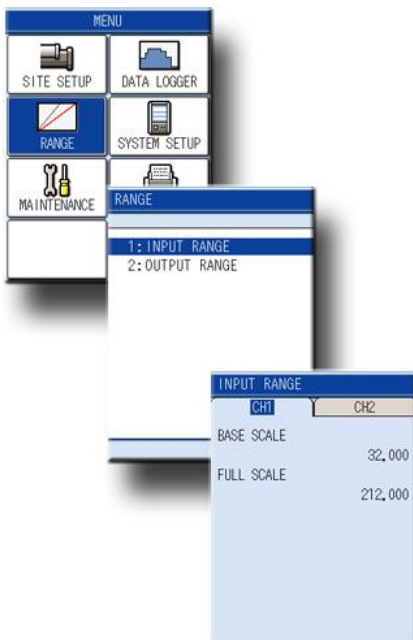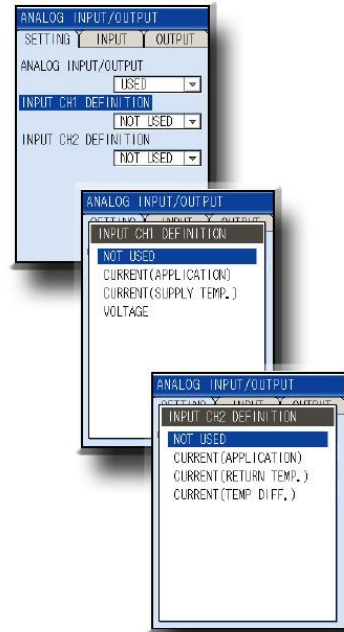- **The illustration shows an example of how to mount the RTD sensors.**

3

- **Before setting up the energy functions of the FSCS choose your preferred temperature units.**

- **This option can be found by starting in the SITE SETUP MENU, then select UNIT OF OUTPUT.**

- **The bottom two options provide you with Unit and Total settings.**

SITE SETUP

1: SITE MEMORY
2: PROCESS SETTING
3: ZERO ADJUSTMENT
4: UNIT OF OUTPUT
5: OUTPUT CONTROL
6: TOTALIZER

SENSOR SPACING
28.
V ME

UNIT OF OUTPUT

FLOW UNIT
L/d

TOTAL UNIT
mBBL

TEMPERATURE
°C

THERMAL FLOW UNIT
kBTU/h

TOTAL UNIT(THERMAL)
BTU

- **Begin by going to the SYSTEM SETUP Menu, then ANALOG INPUT/OUTPUT.**

- **Locate the ANALOG INPUT/OUTPUT option and toggle it from NOT USED to USED, this will engage your Portaflow Temperature input.**

- **Once ANALOG INPUT/OUTPUT has been initialized, advance to INPUT CH1 and set to SUPPLY.**

- **Now advance to INPUT CH2 and set to RETURN.**

- **Go to "RANGE > INPUT "and change the INPUT RANGE ON BOTH CHANNELS to the following:**
    - **BASE SCALE: 32**
    - **FULL SCALE: 212 (for default)**