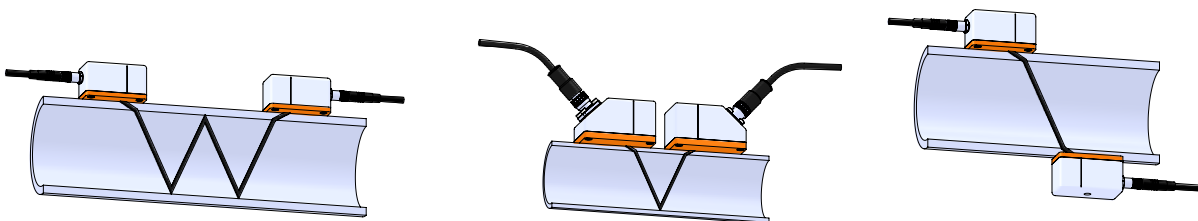




# Quick Start-Up Guide

SonoPro® Professional Series Ultrasonic Flowmeter

1. Turn on power to the fixed mount ultrasonic unit by pressing the “POWER” button after the input power wire connections have been made.
2. Press “ENTER”. A screen with “Enter Password” will be displayed.
  - a. Enter the “User Password” of 1234.
3. Using the left/right arrow, navigate to the “Fluid” menu.
  - a. Press the up/down arrow to access the “Flowing Fluid” sub-menu.
  - b. Press “Enter” and select the type of liquid to be measured.
    - i. Use the up/down arrow to scroll through the list of fluids.
    - ii. **Note:** If the liquid used in your system is not represented in this list use the “Other Liquid” category and input the necessary parameters.
  - c. Press “Enter” after selecting the type of liquid.
    - i. This will save the current configuration.
  - d. Press the up/down arrow to return to the “Fluid” menu.
4. Using the right arrow, navigate to the “Units” menu.
  - a. Using the up/down arrow, define the required units.
5. Using the right arrow, navigate to the “Calibration” menu.
  - a. Enter the “Pipe OD” and the “Wall Thickness”.
    - i. **Note:** “Pipe ID” will be calculated.
  - b. Enter “Pipe Material” and “Liner Material”.
  - c. Enter the “Transducer Type”.
    - i. 2 MHz
      1. Typical pipe sizes: ½” to 4”
    - ii. 1 MHz
      1. Typical pipe sizes: 2” to 20”
    - iii. ½ MHz
      1. Typical pipe sizes: 12” to 200”
  - d. Enter the “Trans Traverse”.
    - i. W method – Typically used with pipe sizes ranging from ½” to 4”
    - ii. V method – Typically used with pipe sizes ranging from 4” to 12”
    - iii. Z method – Typically used with pipe sizes ranging from 12” and up



- e. Enter “Spacing Temp (°F)”.
  - i. **Note:** this is the temperature of the liquid at the time of transducer installation.
- f. Enter “Fluid Temp. 1”.
  - i. Select:
    1. “Use RTD”
    2. “Don’t Use RTD”
  - a. Enter temperature of liquid being measured

