EF10-1 Cheat sheet…

1. Apply couplant onto both transducers.
2. The outside pipe surface should be clean with no rust or scale.
3. Install transducers on to the pipe, ideally at 9- 10 o’clock on the pipe. Not on the top because of air bubbles, and not on the bottom because of sediment.
4. It is best to leave one transducer fixed and move the other one to hone in for accuracy (best signal).
5. Plug in meter, and set up parameters for pipe, fluid, and transducer.
6. With a full pipe, adjust the transducer spacing to get the best conditions.
7. It is recommended, but not necessary to set the zero flow calibration - if it is possible to stop the flow downstream from the meter. The reason for a downstream flow stop is that the pipe will be full.
8. Start the flow and check that the meter is reading the flow.

To set up the basic meter parameters type in the following on the meter:

M 3 0 then press the enter button, select the Language, or scroll through pressing the down arrow.

M 1 1 Sets the Pipe parameters (Pipe OD) and then pressing arrow down walks you thru the rest of

the parameters

**NOTE: Do not change the Transducer Type parameter, it has been set at the factory and is “User type”**

M 2 6 Solidify Settings, saves the changed settings…. “**VERY IMPORTANT**” after any changes use this

to save them into the memory, or it will be lost on a power cycle.

M 4 2 Used to set the zero flow (see the notes above on this procedure).

M 4 5 Sets the transducer scale factor (should already be set at Spire before shipping out)

M 7 7 To shut off the beeper when buttons are pressed on the keypad.

M 9 0 To check the Signal strength (Used when setting up the transducers)

M 9 1 To check the spacing signal ratio, ideally it should be near 100, but in reality it will work in the 97-103 range.