

## MAIN STEPS FOR TFM2100-NG SET-UP QUICK START MANUAL



**NOTICE: TO ENTER THE MENUS, PRESS THE MENU KEY AND THE CORRESPONDANT NUMBERS. TO MOVE FROM A MENU**

**TO ANOTHER, USE THE ARROW KEYS.**

**BY PRESSING MENU 01, THE TFM2100 –NG WILL DISPLAY THE MEASURING SCREEN.**

**SET-UP MENU;**

**DIGIT MENU 10:** Enter the pipe's circumference (only if the exact external diameter is unknown – MENU 11).

**DIGIT MENU 11:** Enter the pipe's external diameter (if it is unknown, enter the pipe's circumference – MENU 10).

**DIGIT MENU 12:** Enter pipe's thickness.

**DIGIT MENU 13:** Internal diameter is automatically calculated by the device.

**DIGIT MENU 14:** Insert the pipe's material.

**DIGIT MENU 16:** Enter the pipe's internal liner. If there is no liner, let the device set on "0".

**DIGIT MENU 20:** Enter the type of liquid inside the pipe.

**DIGIT MENU 23:** Enter the type of sensors to be used.

**DIGIT MENU 24:** Enter the sensors mounting method: Z, V, W, N.

**DIGIT MENU 25:** Check the transducers mounting distance. The device calculates the distance automatically basing on the data the user set.

**DIGIT MENU 31:** Select the flow rate measuring unit.

**DIGIT MENU 32:** Select the flow rate totalizer measuring unit.

**DIGIT MENU 55:** Select the current output features.

**DIGIT MENU 56:** Digit the minimum flow rate value at 4 mA.

**DIGIT MENU 57:** Digit the maximum flow rate value at 20 mA.

**DIGIT MENU 26:** Select option 1 “SOLIDIFY SETTINGS” and press ENTER. The device will automatically reset the old parameters to save the parameter the user entered.

Now the sensors could be installed on the pipe, by using the mounting kit. Remember to put some coupling grease on the mounting brackets, in this way the sensors will not loose grip to the pipe.

Place the sensors at the distance which is displayed in MENU 25 and be careful about the position of UP and DOWN sensors. UP sensor is placed UPSTREAM, DOWN sensor is placed DOWNSTREAM.

### DIAGNOSTICS;

**DIGIT MENU 90:** Check the signal’s strength and quality. They should be between 60 and 100.

**DIGIT MENU 91:** Check that the TOM / TOS parameter is as close to 100% as possible (+ / - 3%). If not, the user could displace one of the sensors a little bit away or closer.

## Wiring Diagram for Version 18

