https://www.tacticalflowmeter.com/

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Follows is a quick OVERVIEW to connect and install the transducers.

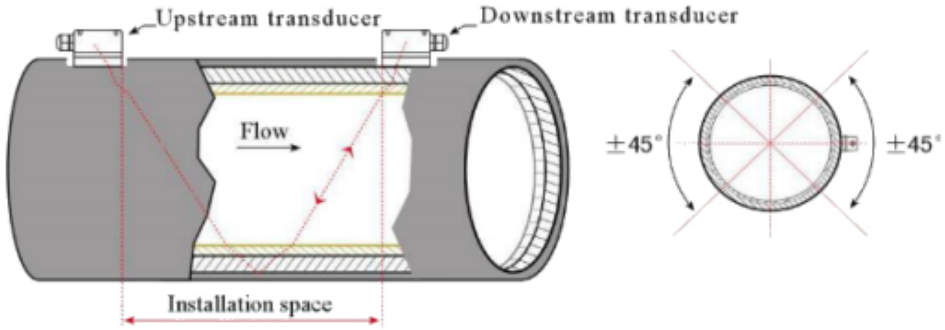
YOUR SPACING is shown on your Cheat Sheet and is measured between the FACES of the transducers. Notice the wires point AWAY from each other.

Pipe Outer Diameter	11	6.65"	12.750
Pipe Wall Thickness	Down	0.258	0.406
Pipe Inner Diameter	Down	irm or enter	Hit Enter
Pipe Material	14	1. Stainless Steel	Cast Iron
Liner Material	16	0. None, No Liner	0 No liner
Fluid Type	20	0. Water (General)	0 Water
Read Transducer Spacing	Hit Down	Your number will display	10.138
Save Settings, or Solidify Settings where we SAVE your configuration	26	Hit ENT Twice and hear beep and screen blinks. If no changes made no beep will be heard. **The QR code to the right will get you to a page with pipe ID and wall thicknesses for many sizes**	

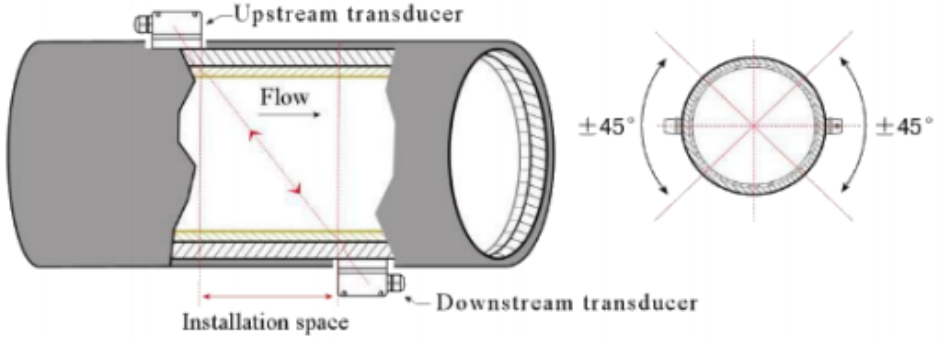
EXAMPLE

Prepare the installation points by selecting the V or Z mount (seen on the cheat sheet and Menu 11) and clean the outside of the pipe to bare metal and ensure it is clean. Mark the spacing with an accurate ruler and then put the coupulant on the transducers clear sensor area and mount the transducers as shown below.

For the V Method use the figure below as a guideline and horizontally align the two transducers. Note the center line is horizontal with the pipe axis line. This method is suitable for pipe diameters in the range of ½" - 16" orDN15mm-DN400mm. This method is considered a reflected mode.



Use the Z method for large pipe diameters and where there may be suspended particulate or scaling. This method is ideal because the transducers dransmit directly to each other withoug the reflection mode utilized in the V method. This method is known as the single sound path method.



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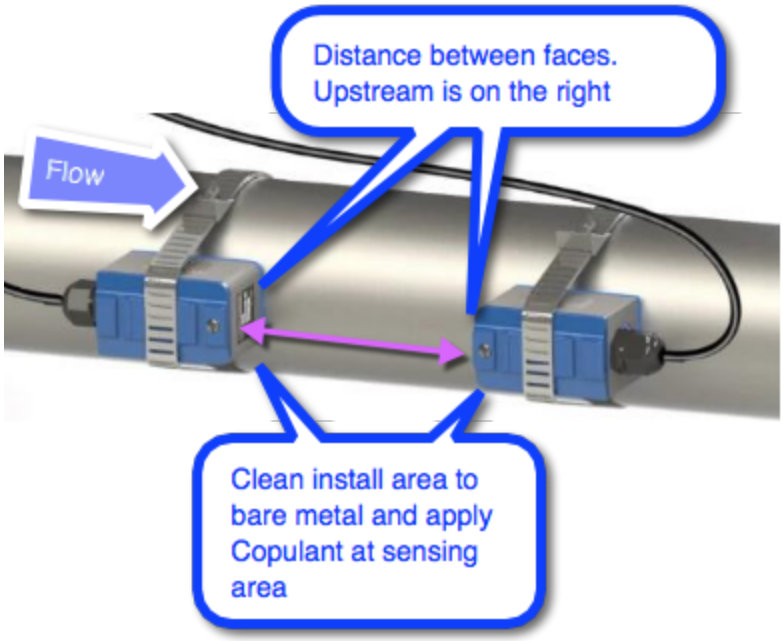
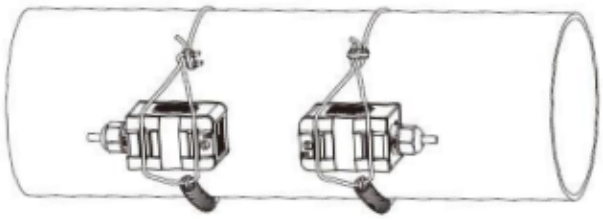
Note: We have put a Red and White wire for 24 VDC Power so you may see where to hook up YOUR wires. You may ALSO select to use 110 or 220 VAC on the device if you wish. You will want to remove these wires but they are handy for EASILY locating the 24 VDC power + and -. The paper inside the electronics shows where the connection is. The manual is here **Quick Ultrasonic Instruction Manual, Style 2**



For pipes less than or equal to 6” we use SS Hose Clamps. The image shows where the transducers are held by the clamps. Put the transmitters on the SIDE of the pipe so sediment is not an issue. The SPACING on the Cheat Sheet is the distance you will measure between the FACES of the Upstream and Downstream transducers.

Manual QR Code:



This is the clamping system for pipes larger than 10" OD. Install by securing ends with clamps WITHOUT the transmitter and then stretch the nylon coated SS wire over the transmitter. BE SURE to grind a CLEAN area for the transmitter to conduct the sound AND use the Acoustic Coupling Grease on the transmitter/pipe interface.

Note: Check Signal Quality with Menu 90 and SAVE any changes with Menu 26, as shown in the Cheat Sheet document.