Quick Start Guide for RISONIC compact

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Components for a RISONIC compact installation:

1 x RISONIC compact control unit

2 x MFATG05 clamp-on transducers and 2 x separate coaxial cables

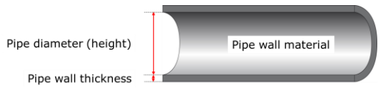
OR

2 x MFATG1 clamp-on transducers including coaxial cables

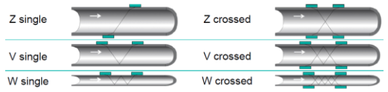
Metal straps and saddles/ locks

Coupling gel

1. Get pipe information (diameter, thickness, material, coatings)

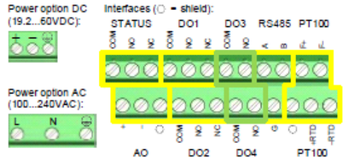


2. Determine the measurement setup (single/crossed, Z/V/W)



3. Mount the control unit

4. Connect power and interfaces



5. Prepare the RICO device

Change rotary switch to MODE = 4 (WIFI active)

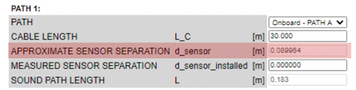
6. Connect your device by WIFI

7. Open web browser, enter IP address 192.168.42.1 and connect

8. Setup the section(s)

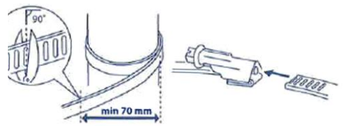
Important: use the annual average water temperature for configuration!

9. Calculate the transducer distance d_sensor



10. Mark the transducer positions

11. Position the transducer frames and fix them with metal straps

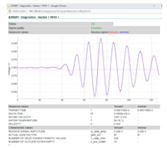


12. Mount and connect the transducers, use coupling gel!

13. Check the measurement values

- Measured water temperature reasonable?
- Measured water velocity and flow reasonable?
- Flow measurement stable, no path errors?
- Signal quality good/ excellent?

14. Optimize the receive signals if necessary, add outputs/datalogs etc.



15. Optional troubleshooting

In case of measurement errors:

- Check transducer distances
- Try to move one transducer in various directions, check measured path temperatures again
- Check signal quality and amplitudes, improve if necessary