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Badger Meter Europa GmbH

VISION Turbine meter

with ILR mounted Display (ILR701T or 750T)



INSTALLATION MANUAL

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The ILR display assembled on the Vision turbine meter looks like the picture on the left. This description also applies for the ILR 750T.

To undertake the mounting of the display, please follow the steps below.



For the mounting, you will need a crosshead screwdriver PH1.



The sticker with the battery symbol on the back of the VISION turbine shows that it is a VISION turbine with a coil (COIL). You can see the following number (for example) in the item coding: 56500-166-4F22, "166" describes the coil.



The DIN plug will not be required for the display. Loosen the screws and pull the plug and the gasket off the turbine.



You have received an ILR display (ILR 701T or ILR 750T). In addition, two batteries (one spare battery), a cable and a flat gasket is also provided.



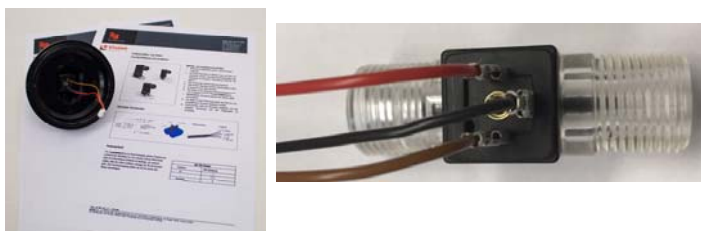
Seal the turbine with the enclosed flat gasket.



Pass the enclosed cable through the holder. To insert the turbine, loosen two screws on the holder.



The turbine is connected to the cable, according to the enclosed wiring diagram.



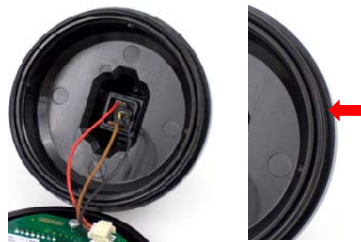


The turbine can be placed into the holder. The arrow on the turbine indicates the flow direction. The arrow on the black display holder must be in the same direction. The example shows the flow direction from left to right.

Now the holder can be screwed tight. Please observe the indicated flow direction when installing the turbine in your system.



Now, please connect the cable from the turbine to the display. To open the display, please loosen the 3 screws on the housing. Connect the white connector plug on the cable to the connector on the board.



Before closing the display case, insert the black O-ring as shown in the picture on the left.

O-ring



Finally, insert the battery to the battery compartment of the display. Loosen 2 screws on the front panel. Insert the CR123A battery into the battery compartment, observing the polarity and insert the sealing ring.



Close the battery compartment. The display is now active and you can continue with the programming of the display.

The unit of measure is liters (L) in the example on the left side. Please see the user manual, section „3. Register programming“.



The K factor will need to be programmed. Please see the user manual section „3.3 Change meter pulse rate“.

You will find the K factor on each turbine printed on the nameplate. Program the K factor into the display.

The K factor was set to 3000 pulses/liter in the example on the left side.



For turbine meters, select the setup tab as shown in the picture to the left. Proceed according to the description in the user manual in section „3.4 Register alignment“.



The display is picture ready now for use.



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