



WATER FLOW SENSOR INSTALLATION GUIDE

SELECT A SUITABLE LOCATION TO INSTALL YOUR WATER FLOW SENSOR (SENSOR) THAT IS:

- *Inaccessible by stock.*
- *The Sensor Hub requires direct sunlight for solar power.*
- *The Sensor can be installed indoors or in a pit, but direct sunlight should be avoided to prolong battery life.*
- *The Sensor can be installed in horizontal or vertical-up-flowing pipes.*
- *The Sensor must be protected from the water freezing inside it.*

TOOLS REQUIRED

- Pipe Wrenches
- 10mm Spanner
- Pipe Cutter
- Pipe Deburring
- Pipe Fittings
- Thread Tape
- Cable Ties
- Spade/Shovel

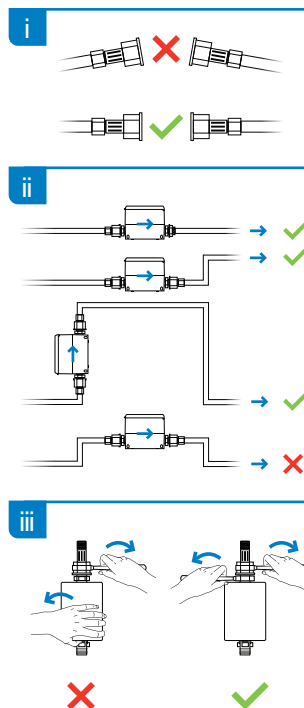
INSTALLATION REQUIREMENTS

- i** Keep pipes aligned. The Sensor must not be under any mechanical stress when installed in the pipe.
- ii** Installation positions. Do not install at the highest point to avoid air accumulating in the Sensor.
- iii** Do not hold Sensor body while tightening coupling nuts.
- iv** Do not install Sensor on the suction side of a pump.
- v** Protect Sensor from water freezing inside it:
 - Ensure water keeps flowing during frost events.
 - Install in a sealed pit.
 - Drain the meter.
- vi** Flush out pipeline before installing Sensor.

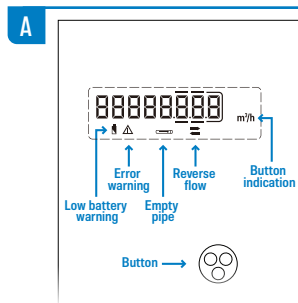
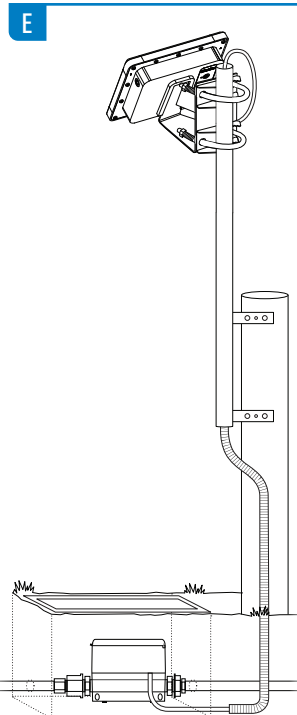
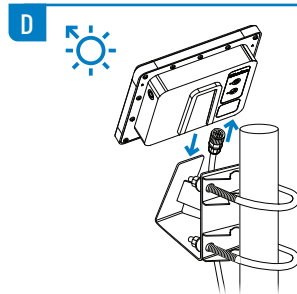
INSTALLATION STEPS

- 1 Fit couplers into pipeline with fittings. Ensure distance between couplers matches length of Sensor.
- 2 Note proper flow direction as indicated on the Sensor.
- 3 Install rubber gaskets in the connecting pipe unions. Place the meter in position and carefully do up the coupling nuts by hand. Make sure each coupling nut is smoothly screwed onto the meter threads.

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- 4 Tighten coupling nuts. Do not hold sensor body while tightening. Excessive force is not required.
 - 5 Open the upstream valve to allow water to fill the meter, check for leaks at the connecting unions.
 - 6 After the air is drained from the pipeline the Sensor is fully functional and ready for operation. The "Empty pipe" alarm indication on the display will not be visible.
Press the button for 1 second to toggle the display between Accumulated Total (m³) and Real Time Flow (m³/hr)
 - 7 Run the Sensor cable to the Sensor Hub.
 - 8 Mount the Sensor Hub so that the solar panel is facing full sunlight.
 - 9 Connect the Sensor to Connector 1 (or the next free connector) on the Sensor Hub, the push-lock connector will "click" when it is correctly installed.
 - 10 Cable tie loose cables.
 - 11 The power LED will come on when the Sensor is connected.
- Sensor Hub 4G:** The 4G LED may flash for 2 minutes before going solid to indicate connection.
- Sensor Hub XT:** The NETWORK LED may flash for 15 minutes before going solid to indicate connection.



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m ³	Accumulated Total
m ³ /h	Real Time Flow
	Empty Pipe

