Implexx Sap Flow Sensor – Quick Installation Guide

Before You Start:
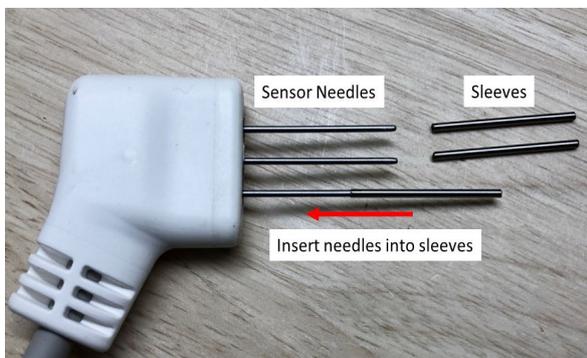
- Read detailed installation guide and manuals.

- Watch the YouTube installation video:
https://www.youtube.com/watch?v=QJXdQWPkfeE

Step 1

- Measure or find trunk diameter (TDD) and sapwood dry density (DDW) for your tree. If DDW is unknown, Implexx Sense has a database of DDW for many trees.

- Ensure TDD and DDW is updated inside of your Implexx Sap Flow Sensor.

Step 2

- Prepare sensor needles and sleeves by applying a generous amount of Dow Corning DC4 grease. Ensure needles and outside of sleeves are coated in grease.

- Insert sensor needles into sleeves and set aside for later installation.

Step 3

- Select location on tree to install the sensor. Generally, install the sensor on the north side if you are in the southern hemisphere or on the south side if you are in the northern hemisphere.

- Install the sensor under the lowest hanging branch on the main trunk.

Step 4

- Mount the drill guide onto the tree using the straps or cable ties. Ensure the drill holes are aligned with the direction of sap flow in the tree.

Step 5

- Starting drilling holes with the supplied drill bits. Do not rush or drill too quickly. Regularly clean the drill bit. The colour of the wood should be creamy white. If it is black or there is smoke, you are drilling too quickly. Before removing the drill guide, clean out the drill holes one last time.

Step 6

- Remove the drill guide and quickly insert the prepared, greased needles and sleeves.

- The needles will push the sleeves into the drilled holes. Do not insert the sleeves without the needles.

Step 7

- Insulate installation site with a generous amount of aluminium foil.

- Carefully mount interface enclosure on the tree or nearby post.

- Ensure the cables are not tight and there is no strain.

Implexx Sense
Digital Environmental Sensing