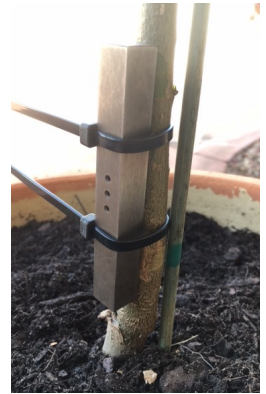


Small Stem Installation Tips

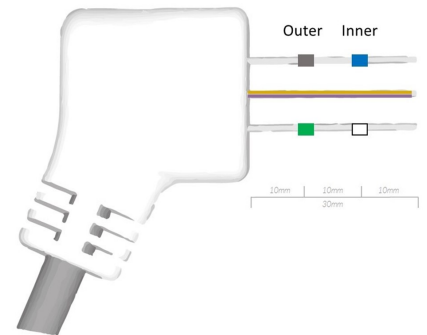
DG1 Drill Guide

- Ensure holes are aligned with direction of xylem flow.
- Cable ties are ideal to fix the DG1 to a small stem.
- It is **critical** that the drill guide **never** moves during installation and drilling of holes. If the drill guides move, reinstall and start again.
- If a drill bit breaks during installation, remove and start again.



Sap Flow Sensor Location of Thermistors

- For small stems, it is recommended to use one set of thermistors such as the outer thermistors.
- Prior to installation, measure the diameter of the stem and know exactly where the thermistors will be installed.
- It is recommended to install the thermistors at 5mm depth below the bark.
- Use a guide, or stopper (for example, the red insulation material in the photo to the right), to assist in correct placement of the thermistors in the plant.



Insulate Sensors

- If the stainless steel probes are exposed, or are located outside of plant tissue, then this will lead to errors in measurements due to external heat/temperature gradients.
- Insulate the sap flow sensors with a foam such as housing insulation material.
- Wrap a layer of aluminium foil around the insulation material.

