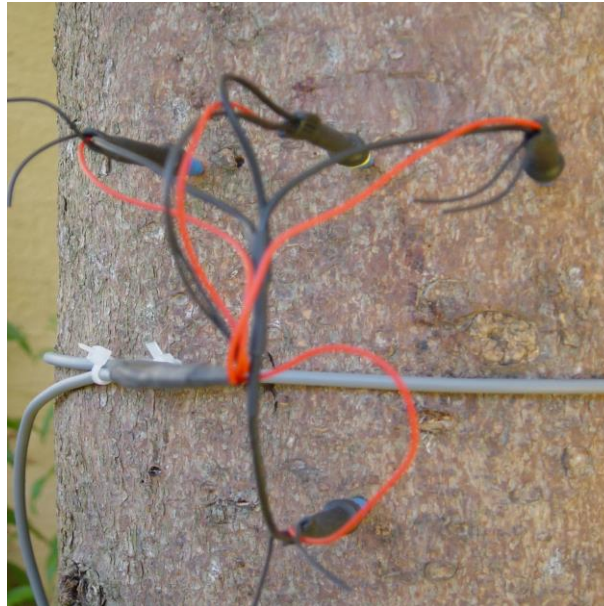


# Sap Flow Sensor

## Type SF-L

### Technical Specifications

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<b>Name of the Sensor</b>	Sap Flow Sensor Type SF-L
<b>Use area</b>	Continuous measurement of Sap Flow of trees
<b>Suitable for Tree Size</b>	Diameter > 8 cm
<b>Power supply</b>	The Sensor is continuously supplied by a power supply unit CCS. A CCS supplies 1 to 3 SF-L sensors and requires an input of 12 - 15 V direct current of 85 mA (This means a consumption of 2.1 Ampere x Hour/day)
<b>Logger requirements</b>	One SF-L Sensor requires 3 differential logger channels for voltage measurement with a resolution <math><10 \mu\text{V}</math>.
<b>Sensor composition</b>	4 needles Length: 33 / 43 / 63 mm Diameter: 1.5 mm Heating: 20 mm from top of the needle Cable length: 5 m, extendable to 20 m