



Implexx Sense

Digital Environmental Sensing

Implexx Sap Flow Sensor Gen 2

MODELS IX-SF30-G2 / IX-SF60-G2



A digital,
SDI-12 sensor for
the measurement of



Sap flow and sap flux density

Transpiration

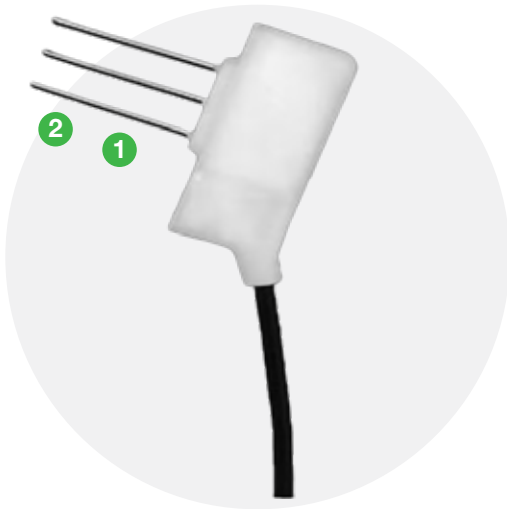
Crop water use

Stem water content

Stem temperature and more

IX-SF30-G2

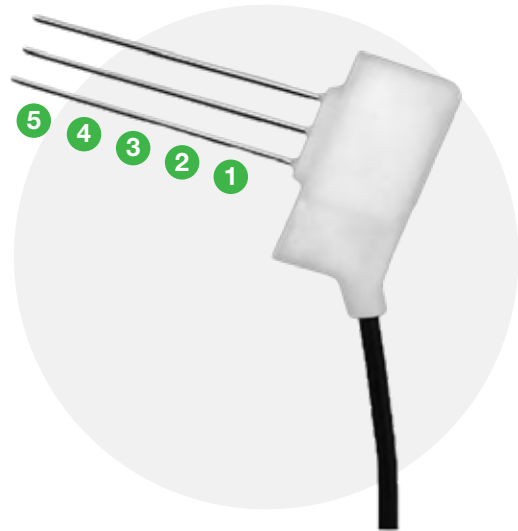
Ideal for small stems and trees with narrow sapwood



- 30 mm length needles
- 2 measurement depths

IX-SF60-G2

Ideal for large stems or trees with wide sapwood



- 60 mm length needles
- 5 measurement depths



Implexx Sap Flow Sensor Gen 2

The Implexx Sap Flow Sensor Gen 2 has been designed by scientists following years of research. The sensor is based on the Dual Method Approach (DMA) which is a combination of the heat ratio and Tmax methods. The sensor's performance has been independently verified with an accuracy of ~3%.

The sensor can measure reverse, slow and extremely fast sap flow. Therefore, the Implexx Sap Flow Sensor Gen 2 is ideal for any application where plant water use is required including scientific research, irrigation management, hydrology and engineering projects.

Feature	IX-SF30-G2	IX-SF60-G2
Measurement Range	-1000 to +1000 cm/hr	
Measurement Accuracy	< 3% or ± 0.1 cm/hr	
Measurement Resolution	0.001 cm/hr	
Measurement Type	Heat Pulse, Dual Method Approach, Heat Ratio, Tmax	
Measurement Points	2	5
Needle Dimensions	30 x 1.8 mm	60 x 1.8 mm
Power Consumption	Idle: 4mA; Measure: 270 mA	Idle: 4mA; Measure: 520 mA
Power Input	12 VDC	
Sensor Output	SDI-12 (ver. 1.4)	
Measurement Duration	124 seconds	
Environmental Rating	IP68; -20 to +70 °C	
Warranty	1 year	