sap flow sensor

- SapLinx Sap Flow Sensor
- Measure heat velocity, sap flux density and sap flow
- Based on the scientifically backed “Dual Method Approach”
- SDI-12 output and ultra-low power consumption
- Ideal for wireless sensor networks and scientific research

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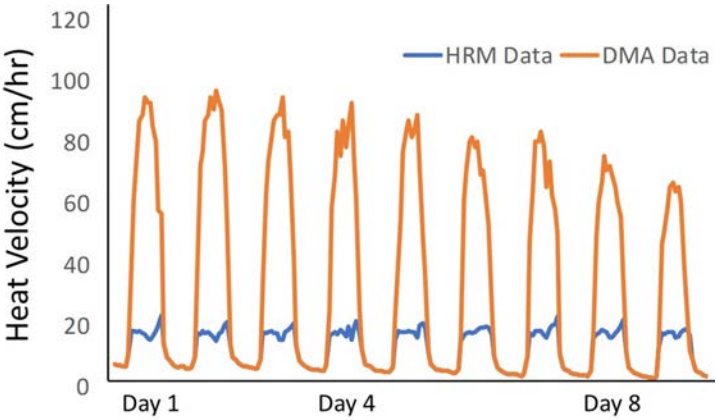
improved accuracy

- Only heat pulse velocity method that can measure the entire observable range of sap flow in plants
- Superior to older, redundant methods such as heat ratio method (HRM), Tmax, and compensation heat pulse method



science & industry

- Lower cost means increased sample size
- Ideal for plant physiology, plant water use, hydraulic redistribution, hydrology, irrigation scheduling, and more

digital technology

- The only sap flow sensor with SDI-12 and low power consumption
- Ideal for wireless sensor networks, LoRa WAN, telemetry & internet access

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combine sap flow with....

dendrometers

leaf & canopy

temperature

soil water content

& potential

weather sensors

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specifications:

feature	specification
Measurement Range	-200 to >+1000 cm/hr (heat velocity)
Measurement Accuracy	±0.1 cm/hr
Resolution	0.001 cm/hr
Probes Dimensions	30 x 1.3 mm
Position of Thermistors	Outer: 10 mm; Inner: 20 mm
Distance Between Probes	6 mm
Epoxy Body Dimensions	40 x 16 mm
Probe Materials	316 marine grade stainless steel
Temperature Range	-30 to +70 °C
Response Time	200 mSec
Heater Resistance (typical)	39 ohms
Power Input	12 VDC
Power Consumption	Idle: 4 mA; Measure: 270 mA Typical Measurement Cycle: 0.4 mAhr
Sensor Output	SDI-12 (ver 1.4)
Cable Length	5m (standard); 60m (maximum)

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