

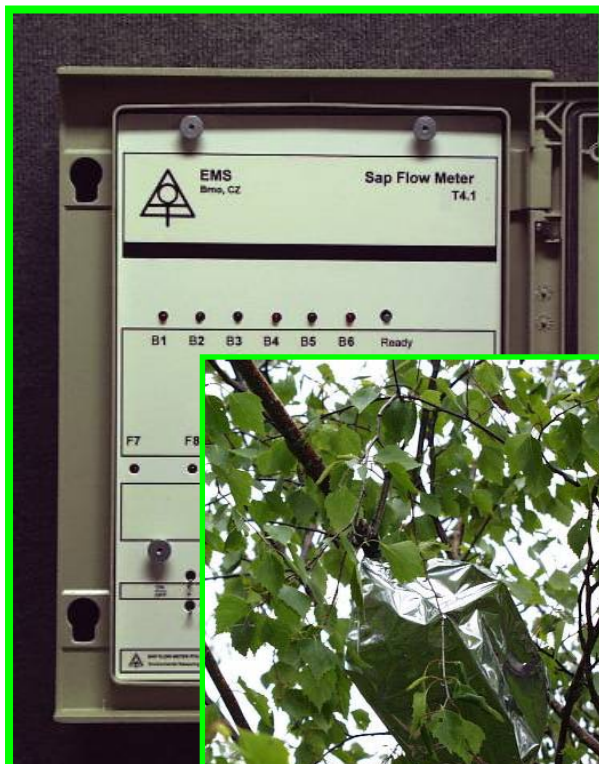


Sap Flow Meter

T4.2

Main features:

- Heat balance method
- Constant dT, variable power
- Twelve channels
- Sensors for small stems and branches from 6 up to 20 mm
- Battery operated



- Soft and flexible gauges
- Two sensor sizes
- Fast and easy installation
- Minimal damage to plant tissues
- Software for DL setting, data viewing and processing

Specification:

Number of channels	Twelve for small stems or shoots
Range of sensor diameters	two sizes: 8-12 mm and 12-18 mm (± 2 mm allowed)
Heating technique	External soft and flexible heater
Output variable	Sap flow in [kg/hr]
Temperature sensors	Special thermocouple assembly
Temperature difference	4 Deg.C, controlled
Resistance of heaters	100 Ohm
Heating current	Maximum 0.125 Amp per channel
Heating power	Maximum 1.6 W; variable according to sap flow magnitude
<i>Built-in datalogger:</i>	
Accuracy	0.03 % of the full scale
Memory capacity	512 kByte
Memory capacity	220,000 values (> three months of measurement)
Measuring interval	10 sec to 2 minutes
Storage interval	10 sec to 1 hour
Energy supply	12 V D.C. lead acid battery or DC power adapter
Current consumption	Max 2.2 Amp. Generally, the power consumption is proportional to sap flow rate and the number of channels in use. Daily average of 0.2 to 0.5 Amp is supposed.
Working temperature	-10 to 40 Deg.C
Weight	8 kg box, 12 kg cables, 2 kg sensors and accessories
Box size	43 x 33 x 20 cm

Software:

Mini32 EMS universal software running under Windows[®] 95, 98, 2000, NT, XP. The software assures all necessary operations – system setup, data saving, data processing. It includes the basic statistic features, creates and prints graphs and exports data to different file formats.

Two-year full warranty.