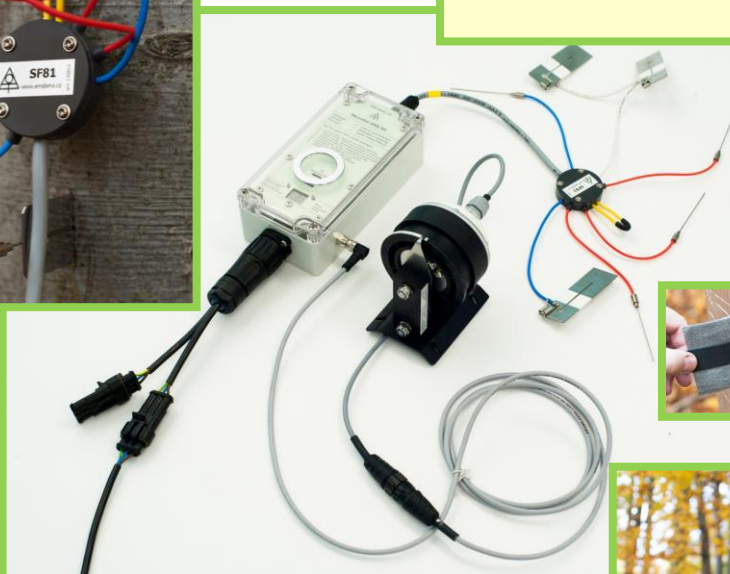




# Environmental Measuring Systems

Turistická 5, 621 00 BRNO, Czech Republic, [www.emsbrno.cz](http://www.emsbrno.cz)

## Sap flow system EMS 81 based on MicroSet 8X datalogging modules



### Main features:

- THB method with variable power
- Input for stem increment sensor
- Built-in datalogger
- No overheating of stem tissues
- Power requirements proportional to sap flow rate – fits to solar powering
- Battery operated with extremely high efficiency > low energy consumption
- Manufactured by EMS

### Specification:

- Minimal stem diameter 12 cm
- Constant temperature difference adjustable to 1, 2 or 3 K
- Average power consumption 0.3 – 0.4 W @  $dT=1$  K
- Datalogger memory sufficient for one year of ten-minute readings of sap flow and stem increment
- Accessories:
  - sap flow sensor SF 81
  - set of stainless electrodes
  - stem increment sensor DR26
  - installation tools
  - weather protection set

[www.emsbrno.cz](http://www.emsbrno.cz)