

Large Diameter Dendrometer DD-L



Dendrometers are sensors for continuous measurement of plant growth (changes of the plant diameter).

The dendrometer allows us to record the plant parameters at the same time interval, such as environmental parameters. The data, therefore, allows the direct assignment of plant responses and stress to environmental influences. Dendrometers are a cost-effective and useful tool for ecophysiological studies.

Ecomatik Diameter Dendrometer large (DD-L)	
Suitable for plant size	Diameter 3-30 cm
Range of the sensor	11 mm
Accuracy	$\pm 2 \mu\text{m} \pm 0,12\%$
Resolution	Infinite
Linearity	1%
Thermal expansion coefficient of the sensor	$< 0,1 \mu\text{m/K}$
Operating conditions	Air temperature: -30 - 40° C, air humidity: 0-100%