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(ISO 9001:2015 certified)

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Dendrometer

Radius

DR

Radius

DRW

Diameter
DD-S

Diameter

DD-L

Diameter

DDW

Circumference

DC1

Circumference

DC2, DC3

Fruit DF

Root/UnderWater

DRO

Vertical

DV

Data
samples

Equitensiometer

Sap Flow

Sensor

SF-G

SF-L

Leaf Sensor

Diameter Dendrometer small (DD-S)

The DD-S is designed specifically for agricultural plants, small trees and branches. It is suitable for plants with a diameter of less than 5 cm.

Due to a patented mounting method, the dendrometer provides stable readings also for very small diameters.

Advantages

- Suitable for small trees and agricultural plants
- The plants do not have to bear the weight of the dendrometer
- Measures diameter changes: as compared with radius measurements the doubled measurement signal results in higher precision
- No Injury to plants
- Minimal load on the target
- Stability against wind, snow, falling small branches and small fruits
- Ordering by size of plants possible

Limits

- Not suitable for diameter greater than 5 cm (please see Typ DD-L)

Delivery

- Complete with 5 m cable



Wheat



Corn



Branch

Leaf-to-Air-
Broadleaf
type)
ΔLA-C (ΔT
Leaf-to-
Air-
Conifer
type)

Data Logger

Options / Ordering Information

- Cable extension (please specify in meters)
- If necessary specify frame size in case of differing plant diameter
- Data Logger

Technical specifications

Name	Diameter Dendrometer small (DD-S)
Suitable for plant size	Diameter 0-5 cm
Range of the sensor	11 mm
Accuracy	±1.5 µm ± 0,12% (CR1000 Logger)
Resolution	0.2-2.6 µm (dependent on used data logger)
Linearity	1%
Thermal expansion coefficient of the sensor	<0,1 µm/K
Operating conditions	-25 to 70 °C air temperature, 0 to 100% relative air humidity

COMPANY

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