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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 rugged (DDW)

The DDW is the ruggedized version of the DD-L dendrometer type. Additionally to the features of the simple DD-L version, the DDW dendrometer is modified for the use under especially harsh environmental conditions. A soft, light resistant rubber coating, protects the whole sensor from ingress of water and solid particles.



Advantages (additionally to DD-L type)

- Suitable for diameter 3-20 cm
- Suitable for measurements underwater, under snow cover and under heavy exposure to dust (e.g. volcanic ashes or desert dust)
- Suitable under exposure to corrosive seawater spray
- Plant size specific ordering possible within the 3 to 20 cm diameter range

Limits

- Not suitable for diameter greater than 20 cm

Delivery

- Complete with 5 m cable

ΔLA-B (ΔT
Leaf-to-
Air-
Broadleaf
type)

ΔLA-C (ΔT
Leaf-to-
Air-
Conifer
type)

Data Logger

- Fixing materials and installation tools (wrench)

Options / Ordering Information

- Cable extension (please specify in meters)
- If necessary, different frame size
- Data Logger

Technical specifications

Name	Rugged Diameter Dendrometer Large (DDW)
Suitable for plant size	Diameter 3-20 cm (range extendable, on request)
Range of the sensor	11 mm
Accuracy	$\pm 1.5 \mu\text{m} \pm 0.12\%$ (CR1000 data logger)
Resolution	0.2-2.6 μm (dependent on data logger used)
Linearity	1%
Thermal expansion coefficient of the sensor	$< 0,1 \mu\text{m/K}$
Operating conditions	Air temperature: -25 to 70 °C, air humidity: 0 to 100%

COMPANY

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