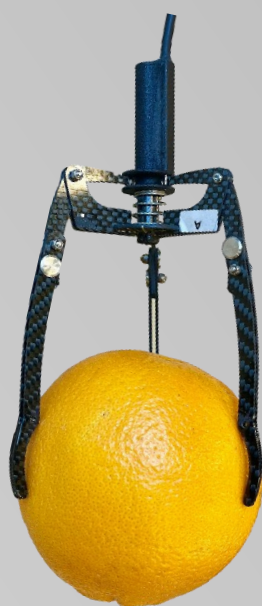# Dendrometers

Accurate growth insights for smarter cultivation.

Fruit dendrometer

General description

The fruit **dendrometer** is used to measure changes in fruit diameter over time. There are **2 models** with different measuring ranges:
S and M, suitable for different uses.

Product features

- **Quick and easy to apply:** Directly onto the fruit.
- **Fruit protection: Attachment pressure is optimized to avoid altering or deforming the fruit, ensuring gentle but effective attachment.**
- **Weatherproof:** Designed to withstand harsh conditions, including winds of up to 60 km/h.
  Discreet: The green color of the device blends into the landscape to avoid attracting attention, reducing the risk of theft.

Specific data

Model S (small fruits)

Measurement range	9 mm to 42 mm
Dimesions	Ø 70 mm x h : 100 mm
Weight	50 g

Model M   (medium fruits)

Measurement range	19 mm to 90 mm
Dimensions	Ø 70 mm x h :150 mm
Weight	55 g

General information

Model S & M

Sampling	1 measurement every 15 minutes
Materials	Carbon fibre
Operating temperature	-20 °C to 60 °C

Diameter

Precision	± 0,05 mm
Resolution	0,01 mm

Temperature

Precision	± 0,05 mm
Resolution	0,01 mm
Measurement range	-20°C to 60°C

Trunk dendrometer

Generale description

The trunk **dendrometer** measures daily changes in the diameter of a trunk, mainly as a function of irrigation. The device is designed for quick and easy installation.

Product features

- **Compatibility:** Designed for trunks from 3 to 15 cm in diameter.
- **Simplified installation:** Quick to install thanks to an adjustable stainless steel cable around the trunk.
- **Extendable:** An accessory extends the measurement range by 20 cm in circumference, i.e. 6 cm growth in diameter.
- **Discreet and robust:** The green-coloured device blends into its surroundings to remain unobtrusive on the trunk, while offering weather resistance.
- **Can be used on all shafts:** On request, we can supply a cable suitable for larger circumferences.

General information

Dendrometer sensor

Dimensions	100 x 12 x 12 mm
Weight	60 g
Materials	Aluminium
Protection class	IP 66
Operating temperature	-40°C to 60°C

Sensor data

Diameter

Sampling	1 measurement every 15 minutes
Measurement range	20 mm circumference
Precision	± 0.05 mm
Resolution	0.01mm

Temperature

Sampling	1 measurement every 15 minutes
Measurement range	-20°C to 60°C
Precision	± 0.3°C
Resolution	0.1°C