

Waterproof Diameter Dendrometer Type DDW Technical Specifications



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Name of the Sensor	Waterproof Diameter Dendrometer Type DDW
Use area	For measuring diameter growth of trees on the coast, under snow, near soil surface
Suitable for plant size	Diameter 2 – 20 cm
Range of the sensor	11 mm
Resolution	The resolution of the sensor itself is infinite. The resolution of readings is determined by connected data logger, e.g. CR1000: 1.5 µm Dendrometer logger DL18: 0.2 µm
Accuracy	Dependent on the connected data logger, e.g.: CR1000: ±0.12% Dendrometer logger DL18: ±0.1%
Temperature coefficient of the sensor	<0.2 µm in the whole range
Linearity	<1%
Environment	Under the moist conditions, on the coast, under snow, near soil surface: -30 to 40°C air temperature, 0 to 100% relative air humidity
Weight of the sensor	30 g without cable
Power supply	No additional power supply needed
Material	Stainless steel and Aluminium
Cable length	5 m, extendable up to 100 m