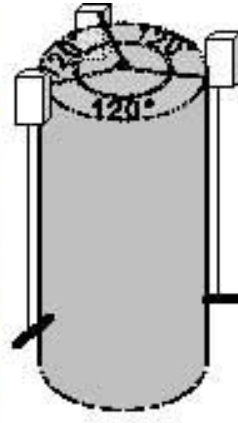


Vertical Dendrometer Type DV

Technical Specifications



Name of the Sensor	Vertical dendrometer Type DV
Use area	For measuring vertical variation of tree trunk
Suitable for plant size	Diameter > 8 cm
Limitation	Tree trunk is injured by drilling (the damage can be minimized if using tree resin).
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	Dendrometer dependent: Max. ±4.5% of reading (stable offset) Logger dependent, e.g.: CR1000: ± (0.04% of reading +4.4 µm) Dendrometer logger DL18: ±0.1%
Temperature coefficient of the sensor	<0.2 µm in the whole range
Temperature coefficient of the wire cable	<1.4 ×10 ⁻⁶ /k
Linearity	<1%
Environment	Outdoor condition: -25 to 70°C air temperature, 0 to 100% relative air humidity
Weight of the sensor	13 g without cable
Power supply	Stabilized Vex of 0.5 – 10 VDC, power consumption practically zero
Material	Stainless steel and Aluminium
Cable length	5 m, extendable up to 100 m