

Radius Dendrometer

Type DR

Technical Specifications



Model: DR1



Model: DR3



Model: DR2

Name of the Sensor	Radius dendrometer		
	Type DR1 (former name DR)	Type DR3	Type DR2
Use area	slow/normal growing species		fast growing species
Suitable for plant diameter	> 8 cm	> 5 cm	> 8 cm
Range of the sensor	11 mm		25.4mm
Resolution	The resolution of the sensor itself is infinite. The resolution of readings is determined by connected data logger, e.g. CR1000: 1.5 μ m Dendrometer logger DL18: 0.2 μ m		
Accuracy	Dendrometer dependent: Max. $\pm$ 4.5% of reading (stable offset) Data logger dependent, e.g.: CR1000: $\pm$ (0.04% of reading+4.4 μ m) Dendrometer logger DL18: $\pm$ 0.1%		
Temperature coefficient of the sensor	< 0.2 μ m / $^{\circ}$ C in the whole range		
Linearity	<1%		< 0.7%
Environment	Outdoor condition: -25 to 70 $^{\circ}$ C air temperature, 0 to 100% relative air humidity		
Weight of the sensor without cable	13 g		33 g
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		