Diameter Dendrometer Large
Type DD-L

Technical Specifications

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| Model: DD-L1 | Model: DD-L2 | Model: DD-L3 |

Name of the Sensor	Diameter dendrometer large		
	Type DD-L1	**Type DD-L2**	**Type DD-L3**
Use area	slow/normal growing	fast growing	very fast growing
Suitable for plant size	Diameter 3-30 cm		
Range of the senor	11 mm	25.4 mm	50.8 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	CR1000: 3.3 µm Dendrometer logger DL18: 0.5 µm	CR1000: 6.6 µm Dendrometer logger DL18: 1.0 µm
Accuracy	Dendrometer dependent:		
	Max. ± 4.5% of reading (stable offset)	Max. ±1.97% of reading (stable offset)	Max. ±0.98% of reading (stable offset)
	Data logger dependent, e.g.:		
	CR1000:±(0.04% of reading+4.4µm) Dendrometer logger DL18: ±0.1%	CR1000:±(0.04% of reading+10µm) Dendrometer logger DL18: ±0.1%	CR1000:±(0.04% of reading+20µm) Dendrometer logger DL18: ±0.1%
Temperature coefficient of the sensor	< 0.2 µm / °C in the whole range		
Linearity	<1%	< 0.7%	< 0.5%
Environment	Outdoor condition: -25 to 70°C air temperature, 0 to 100% relative air humidity		
Weight of the sensor	13 g without cable	33 g without cable	43 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		