



# Vita/1 Sensor

# Datasheet



**Give your crops a voice.**

**Grow Smarter. Grow Sustainable**

Product designed by Vivent Biosignals SA  
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Vita/1 Sensor		Datasheet
Measurements	Plant bio-signals using plant electrophysiology Range: +/- 1 V Resolution: 0.001 V	
Connectivity	LoRaWAN (420 – 480 MHz or 865 – 930 MHz) Bluetooth Low Energy (BLE)	
Input impedance	100 MΩ	
Sampling rate	1 Hz	
Data upload interval	1 s	
Data security	End-to-end encryption	
Ports	Charging/environmental sensor: USB-C Electrode: 2.5mm Audio Jack	
Power supply	Rechargeable Li-Po battery, 4000mAh @ 3.8V	
Battery lifetime @ 25°C / 77°F	Approx. 9 months	
Operating conditions	Temperature: -10°C to 50°C / 14°F to 122°F Humidity: 0 – 100%	
Dimensions (L x W x D)	144 mm x 66 mm x 23.5 mm	
Weight (with electrodes)	150 g	
Certifications	CE, RoHS, REACh	

