



Nature 4.0

Inspired to invent change

Nature 4.0 Società Benefit Srl

Via della Chimica, 7

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PRICE LIST 2025

PRODUCTS	VERSION	PRICE (EURO)
TT-Cyber <ul style="list-style-type: none"> Monitoring Tree functions (1hour sampling rate) Transpiration (sap flow) Spectrometer for canopy light transmission 28 bands (410-940nm) Radial growth (accuracy\pm 10 μm -resolution 0.5 μm) Stem 3D position (for tree stability studies) \pm 0.05 ° Air Temperature (-10 to +85°C \pm1°C max) and Humidity (0 to 90 % \pm5% Typ.) Flash Memory for data storage 16Mbyte Probe forest included External battery not included, EB Power required 	<ul style="list-style-type: none"> LoRa module 	420
	<ul style="list-style-type: none"> NB-IoT module 	510
TT-Cyber Mini Probe	<ul style="list-style-type: none"> Triple probe suitable for small diameter woody crops – length 8 mm – diameter needle 2mm – spacing 7,5 mm 	40
TT-Cyber Probe Forest	<ul style="list-style-type: none"> Triple probe – length 29 mm – diameter needle 2mm – spacing 7,5 mm 	15
TT-Cyber G Gyroscopic <ul style="list-style-type: none"> 3D position of stem or branch (application for stability warning in urban environments) Internal battery included 	<ul style="list-style-type: none"> LoRa module 	150
TT-Cyber R Radiation <ul style="list-style-type: none"> Spectrometer 28 bands (410-940 nm) Air Temperature (-10 to +85°C \pm1° C max) and Humidity (0 to 90 % \pm5% Typ.) External battery pack included It can be placed outside the canopy to be used as reference for solar radiation 	<ul style="list-style-type: none"> LoRa module 	370
	<ul style="list-style-type: none"> NB-IoT module 	405



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<p>TT-Cyber C Carbon</p> <ul style="list-style-type: none"> Autonomous dendrometers Capturing and monitoring radial growth Accuracy $\pm 10 \mu\text{m}$ -resolution $0.5 \mu\text{m}$ External battery not included, EB Power required 	<ul style="list-style-type: none"> LoRa module 	225
	<ul style="list-style-type: none"> NB-IoT module 	290
<p>TT-Cyber S Soil</p> <ul style="list-style-type: none"> Soil temperature and humidity (capacitance probe) Air Temperature and Humidity Flash memory for data storage 16Mbyte Internal battery pack included 	<ul style="list-style-type: none"> LoRa module 	245
	<ul style="list-style-type: none"> NB-IoT module 	275
<p>TT-Cyber W Water</p> <ul style="list-style-type: none"> Transpiration (sap flow) Mini probe included External battery not included, EB Power required 	<ul style="list-style-type: none"> LoRa module 	210
	<ul style="list-style-type: none"> NB-IoT module 	245
<p>TT-Cyber EB Power</p> <ul style="list-style-type: none"> Battery pack 	<ul style="list-style-type: none"> High capacity 30000mAh power bank (Polymer Lithium Ion) with voltage protection controller 	130
<p>TT-Cyber CH Charger</p>	<ul style="list-style-type: none"> Fast charger for 10 battery packs 	460
<p>TT-Cyber CL Cloud</p> <ul style="list-style-type: none"> LoRa Wan Gateway 	<ul style="list-style-type: none"> LoRaWan gateway protocol at 868 MHz with external antenna Modem GPRS QUADBAND (SIM included: 500 MB free) WiFi connection/LAN (as alternative to GPRS if available) on request 	815
<p>Solar Kit for Cloud</p>	<ul style="list-style-type: none"> Solar Panel 80 W Charger + controller MPPT Battery 20 A/h Box IP67 Mounting Brackets Pole 	530



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- **LoRa module** for data transmission. Typical range of transmission (1-3km in urban and 0.6 -1km in forest environment. It can reach >10Km in case of clean line of sight. (TT-Cyber Cloud required)
- **NB-IoT module** is a low-power wide-area network (LPWAN) radio technology standard developed by 3GPP. Sim card 500 Mbyte of LTE traffic.