



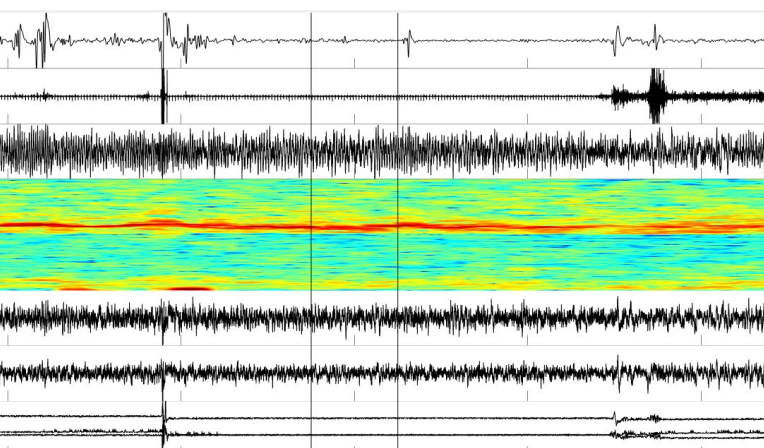
Manitty

Phynitty Solution

The innovative Phynitty stand-alone device offers 10 to 18 channels independently configurable for EEG, LFP, ECG, EMG, EOG... and also temperature, behavioral and postural recordings. Our solution allows the collection of multiple data with a single device.

Each system can be used in **dual mode**; for freely moving animal studies in the lab (telemetry) or subjects in their natural habitat (biologger). The Phynitty devices can transmit data in Bluetooth or storing it onboard.

Our systems are easily configurable wirelessly and fully customizable, offering a wide variety of possible configurations for different applications and/or brain structures without compromising on reliability and robustness.



Telemetry & biologger designed for you

Experience innovation, simplicity and flexibility.

Each scientific question is unique, we offer a device adapted to all your specific experimental conditions.

Acquiring continuous multimodal data in real time and over long periods has never been easier.



Large autonomy and low power consumption. Record 2 to 45 days continuously and personalize your device (batteries, connectors, electrodes, etc.)



Standalone and Communicating Miniature Device. Set-Up your own usage channels, frequencies, filters and recording ranges.



Qualitative, multimodal, reliable and repeatable data. 10 to 18 configurable channels (EEG, ECG, EMG, EOG,) temperatures, postures...



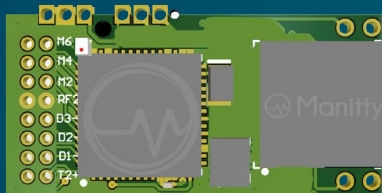
Dual Use Mode: Biologger & Telemetry. Easy to acquire, use and share data in any conditions.

Contact US
to configure
your system

info@manitty.com
www.manitty.com

Perfect solution for your studies in laboratory

PHYNNITY NANO



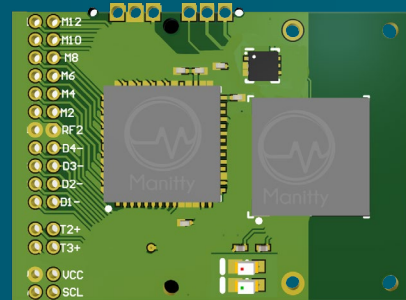
Practicality is its asset, efficiency will be your moto.

No more complexity, collect all the data you need with ease.

Smaller, larger autonomy and equipped with **9 recording channels, 1 temperature** as well as an embedded inertial unit, it will be easy to collect multiple cerebral, physiological and behavioral data over long periods of time.

Our devices can adapt to morphologies ranging from mice to whales.

PHYNNITY MAX



Go beyond the limits of the lab.

Collect your data anywhere and anytime in the wild.

With its many options, explore previously unknown horizons. With a single system, collect complex data easily and without limitations. With **16 recording channels, 2 temperatures** and an onboard inertial unit, this device combines power, accuracy and robustness.

Think bigger, think further, with the MAX bilogger

In order to manipulate and process your data at any time without format limitations, our datasets are compatible with Matlab, Labview, Python and all standard programming languages and easily importable.



EEG / LFP



ECG



EOG



EMG



Temperatures

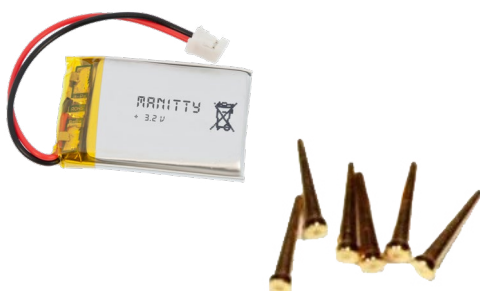


Movements

Operated and validated solution
in the labs and in the most extreme
natural environments.



Ordering Description	Phynitty NANO	Phynitty MAX
Usage	Small animals - Labs/ field	Large animals - Labs/ field
Recording mode	Telemetry & Sd Card	Telemetry & Sd Card
Telemetry Signal Range	20 m	20 m
Channels	6 Monopolar, 3 Differentials	12 Monopolar, 4 Differentials
Interfacing	Gold Pins / EIB / Flex Electrode	Gold Pins
Sampling rate	Customizable 8-1024Hz	Customizable 8-1024Hz
Electrophysiology	Low noise amplifier 2.4 μ V rms; Voltage range +/- 6,4mV; High Pass filter (0,1; 0,25, 0,5; 0,7; 1Hz) Low Pass filter (100, 150, 200, 300, 500Hz) Input impedance 13 M Ω at f = 1 kHz	Low noise amplifier 2.4 μ V rms; Voltage range +/- 6,4mV; High Pass filter (0,1; 0,25, 0,5; 0,7; 1Hz) Low Pass filter (100, 150, 200, 300, 500Hz) Input impedance 13 M Ω at f = 1 kHz
Onboard temperatures	5°C to 40°C +/-0.5°C	-15°C to 45°C +/-0.5°C
Behaviors / postures	3D Accelerometer: G range: 2, 4, 8, 16G Magnetometer 3D Gyroscope : DPS range 12, 250, 500 1000, 2000	3D Accelerometer: G range: 2, 4, 8, 16G Magnetometer 3D Gyroscope : DPS range 12, 250, 500 1000, 2000
Auxiliary Channel	1 channel	2 channels
Resolution	16 bits	16 bits
Device Activation	Magic wand (magnetic)	Magic wand (magnetic)
Communication	Bluetooth low energy	Bluetooth Low energy
Memory	16GB / 32 GB / 64GB / 128 GB / 256GB	16GB / 32 GB / 64GB / 128 GB / 256GB
Recordings duration	2 Days - Up to months	2 Days - Up to months
Log mode scheduler	Up to 200 scheduled recording sequences	Up to 200 scheduled recording sequences
Power consumption (sleep / SD card) / telemetry)	10 μ A / 2.1mA / 2.5 mA	10 μ A / 3.8mA / 3.9 mA
Size w/o batterie (Length - Width - Height)	25 x 12 x 3 mm	28 x 20 x 3 mm
Weight w/o batterie	1.2 gr	1.8 gr
Powering options	Battery / Rechargeable	Battery / Rechargeable
Configuration via Bluetooth	channels, sampling rate, filters and motion sensors	channels, sampling rate, filters and motion sensors
Status overview	Led and Bluetooth advertising	Led and Bluetooth advertising



Accessories

SKU	Telemetry accessories	Compatible with	Quantity Per Pack
1001	EIB Flex	HR	10
1002	EIB Pin	HR / HWS	10
1003	Flex Electrode	HR	10
1004	Gold pins (S/M size)	HR / HWS	500 / 1000
2001	Rechargeable battery	HR / HWS	5
2002	Battery 3.6V	HR / HWS	5
3001	Industrial graden SD card	HR / HWS	1

Applications:

Phynitty offers the flexibility to address a wide range of experimental conditions and research protocols:

- Sleep
- Memory
- Stress / Anxiety
- Depression / PTSD
- Epilepsy
- Neurodegeneration
- Pain



Manitty



About us ?

Our philosophy, values and experience in the field of neurosciences and ecophysiology have enabled us to develop a real understanding of the needs and limitations of researchers.

We are fully aware of the challenges you are facing

Our goal is clear: to give you the keys to an easy, efficient and high-quality solution for your research.

To do this, we put at your disposal 20 years of experience via a reliable solution, tested and validated in the laboratory and in the field.



We **adapt** our solutions to your research needs and conditions.



Your **needs** are at the core of our priorities by ensuring a quick response to your questions.



Innovation is our driving force, enjoy a state-of-the-art solution.

Our services

Our services have been designed to provide fast and personalized experience. Our technical team will follow you throughout your research and each of your questions will be answered in a time frame that defies all scientific laws.

- ✓ Solutions adapted to your needs.
- ✓ A dedicated and reactive team at your service.
- ✓ Support throughout your research.
- ✓ Training and installation on-site & on demand.

Contact US:



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www.manitty.com