

## FemTo

### *Maximum Insight, Minimum Interference*

In behavioral neuroscience research, capturing animal behavior in its natural state is essential for obtaining reliable and meaningful data. FemTo, part of the Phynitty platform, is an ultra-lightweight behavioral neuro physiological monitoring device designed for studies involving freely moving animals.



#### Multi-Channel & Scheduled Recording

Enables synchronized data acquisition across 6 channels; 4 EEG or EOG and 2 ECG or EMG channels with programmable recording sequences and schedules, supporting studies from hours to months



#### Rugged Environmental Resilience

Equipped with a moisture- and dust-resistant coating, FemTo ensures stable operation and consistent performance in demanding research environments.



#### Optimized Power & Data Integrity

Ultra-low power consumption supports 50, 80, and 100 mAh rechargeable batteries and SD card for extended recording duration while maintaining reliable data integrity.



+33 7 59 51 55 13



info@manitty.com



www.manitty.com



Customized systems on request



#### Ultra-Lightweight Structural Design

Weighing only 0.9 g, FemTo maximises well-being and natural behaviours, making it suitable for small and sensitive animal models



#### Behavioural & Environmental Data

FemTo integrates a 9-axis accelerometer, magnetometer, gyroscope, a light sensor, and a temperature sensor for real-time behavioral and environmental tracking.



Scan to explore FemTo in detail

# FemTo

*Capture Behavior as It Truly Is*

By integrating multi-channel recording, precise motion sensing, and environmental conditions, FemTo enables researchers to collect rich neuro-physiological data while maximizing natural behaviours. This combination of advanced sensing and flexible data acquisition makes FemTo an ideal solution for long-term behavioral studies in small animal models.



*FemTo delivers more than data : it provides reliable behavioral evidence.*

## Research Applications

- Behavioral and posture analysis
- Naturalistic Mutli-animal activity tracking
- Micro-movement and tilt detection
- Sleep-wake cycle studies
- Evaluation of neurological disorder models

## Our Services

We support researchers from initial setup through long-term execution. Our team ensures the seamless integration of FemTo into your workflow, minimizing setup time and enabling reliable data collection from day one.

- ✓ Professional application consulting
- ✓ Technical guidance and operational training
- ✓ End-to-end integration support
- ✓ Rapid remote technical support



**Seamless Control with Phynitty App**  
The Phynitty app works seamlessly with FemTo, enabling real-time monitoring, experiment configuration, and efficient data management.



**0.9g Ultra-lightweight Design**  
Virtually weightless design maximizing natural behavior, making it ideal for small and sensitive animal models.



**High-quality Data in Natural Settings**  
Built for freely moving environments to ensure unrestricted behavioral expression.



**Multimodal Sensing for Rich Behavioral Insights**

Combines motion, light, and temperature data to deliver a more comprehensive and reliable understanding of animal behavior.



**Customizable Experimental Scheduling**

Enables flexible configuration of workflows and data collection modes to support diverse experimental requirements.

**CONTACT US TO GET  
MORE INFORMATION**