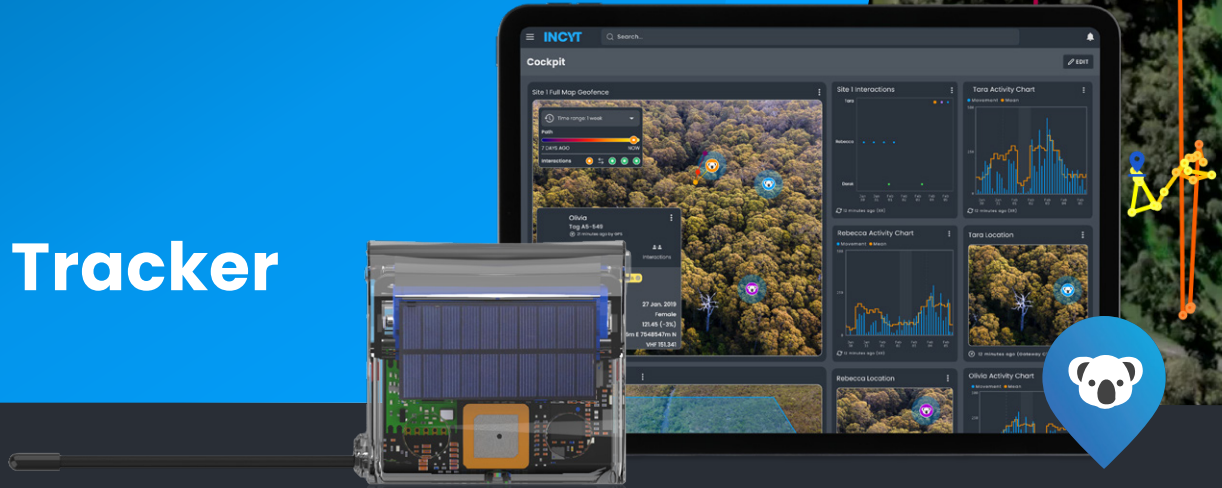


Cygni Tracker



A robust, lightweight, and safe wildlife telemetry tag.

The Cygni Tracker is an advanced telemetry tag that tracks and monitors wildlife through INCYT's proprietary longrange, low power XR network. As the winner of the Sydney Engineering Excellence Awards, Cygni combines the best of design and engineering. Using its beacon, this device tracks the location and habits of livestock or wildlife within a geofenced zone or in proximity to a Base Station, and locates a released tracker using a VHF receiver/directional antenna.

- + GPS location tracker
- + Compact and lightweight
- + Solar powered
- + Geofencing capability within the INCYT app
- + Access location and activity history
- + Sophisticated map or device view on the INCYT dashboard

Applications

- + Track location of wildlife
- + Monitor herd movements
- + Assign tags and names to easily track movements
- + Identify isolation, fighting, and mating habits
- + Get notified when wildlife enter different zones
- + Refrigerated container monitoring



XR Network



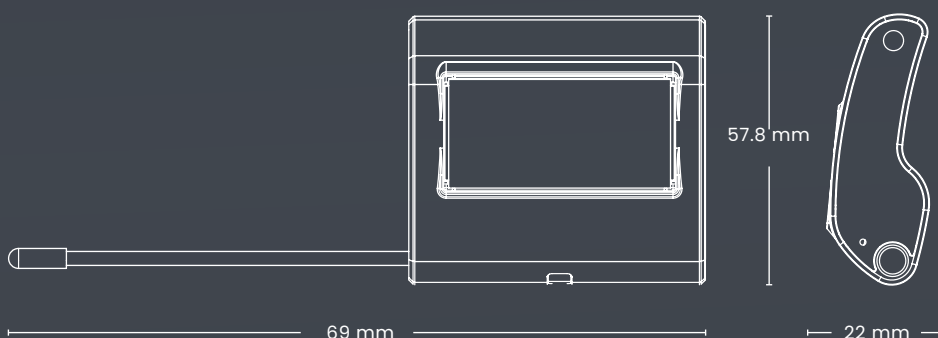
Scan 'n Play



Solar Powered



Tracking





Other Key Attributes

Currently used by conservationists to monitor over one thousand koalas across the East Coast of Australia, deployed with one of INCYT’s mammal Safe-Collars, the Cygni is a simple to use and trustworthy device. The Cygni also has an array of other useful features such as dual-sensor activity logging, impact detection, motion profile analysis, orientation analysis, free-fall detection, and automatic low-activity e-mail alerts.

“The K-Tracker (Cygni for koalas) has revolutionised the way we manage and recover at-risk and declining koala populations, and has been an integral tool in the recovery of important koala populations in Queensland. The K-Tracker now represents the best-practice technology in koala population monitoring and recovery and is deployed from Kangaroo Island in SA to central north Queensland. The core of the K-Tracker system is the Cygni tag; a sophisticated GPS and bio-telemetry tag that allows near-real-time monitoring of koala location, movements, activity and interactions. The LoRa communications system allows the tags to be remotely configured while deployed on koalas, allowing GPS fix and upload frequencies to be changed on the run. The user interface is equally sophisticated, allowing users and clients to view data anywhere in the world, on laptops, tablets, smartphones and desktops, with a user-friendly and intuitive dashboard.” – JON HANGER, DIRECTOR, ENDEAVOUR VETERINARY ECOLOGY

Specifications

Radio	LoRa / LoRaWAN, BLE 5, WiFi, GPS
Region	Multi region LoRaWAN, EU868, AU915, AS923
Firmware upgrade	Via App over BLE
Battery	1 x 600mAh LiFePO4 with high efficiency solar harvesting
Battery Life	Unlimited when exposed to sufficient sunlight (3 weeks without any sun)
Location Sensing	BLE Beacon and Scan, BLE Mesh, WiFi Scan, LoRaWAN Locate, GPS
Sense Options	Accelerometer, Temperature
Size + weight	57.8 x 69 x 22 mm, 58.7g
Enclosure Rating	P68 / IK09
Mounting Options	Wild animal collar

