DATA LOGGER RANGE

THERE ARE CURRENTLY TWO DATA LOGGERS IN OUR RANGE. THE RX3-S IS THE SMALLEST DATA LOGGER IN OUR RANGE, DESIGNED FOR MAMMALS GREATER THAN 2.2KG, FOLLOWED BY THE RX3-SM WHICH IS SUITABLE FOR MAMMALS GREATER THAN 5.7KG. WE OFFER A WIDE RANGE OF OPTIONAL FEATURES TO CUSTOMISE COLLARS FOR SPECIFIC APPLICATIONS, SUCH AS AUTOMATED TIMED RELEASE.

ABOUT US

EcoKnowledge is an ecological consultancy based in South Australia, with extensive experience in wildlife and land system monitoring, in particular Decision Support Systems, spatial and ecological models, pest monitoring, wildlife aerial surveys, vegetation surveys and animal trapping. EcoKnowledge also specialises in the manufacture of robust field tracking equipment and hosts an innovative online satellite tracking site.

EcoKnowledge is a small company with over 25 years experience in using and building telemetry equipment, and we are able to provide specialised advice for customised solutions for research, management and consultancy applications. Our experience, knowledge of the industry and personalised service allows us to address any client needs.

All of our products are designed with an emphasis on durability, practicality and longevity. We conduct rigorous workshop and field testing and also conduct our own field trials.

FEATURES

We are very conscious of animal welfare, and have designed our collars to ensure minimal interference to an animal's normal behaviour. Our own field experience has given us the knowledge to ensure our collars are suitable for even the smallest and most delicate of species. Whilst collar components are selected with the animal's comfort as a priority, our collars are robust, built to withstand high impact environments and are made from either epoxy encapsulated acrylic or high temperature molecular bonded polyurethane. Electronics have an operating temperature of -30°C to +85°C dependent on battery.

The GPS data logger range can store over 9,000 positions, with the option to download by the user or be returned to EcoKnowledge for download once the collar has been retrieved (default model). Our leading-edge technology includes ultra-low power consumption for collecting location data, in order to maximise battery life.

ECOKNOWLEDGE

❈ ANIMALTRACKING

	RX3-S (SMALL DATA LOGGER COLLAR)	RX3-SM (SMALL/MEDIUM DATA LOGGER COLLAR)
APPLICATIONS (BODY WEIGHT)	>2.2Kg	>5.7Kg
TOTAL WEIGHT	80g – 150g	200g-350g (dependant on strap, mould, price and VHF battery life)
STRAPPING	20mm strap leather, vinyl	20mm – 40mm strap leather, vinyl, sash
RELEASE	Denim fuse release	Timed automated release available. We recommend a denim fuse
HOUSING SPECIFICATIONS	Acrylic, Custom colour, High UV rating	
BATTERY LIFE		
(1 POSITION/TRANSMISSION)	(without additional sensors)	(without additional sensors)
2 POSITIONS/DAY	~18 months	~N/A
6 POSITIONS/DAY	~320 days	~3.5 years
24 POSITIONS/DAY	~130 days	~18 months
VHF BATTERY LIFE	18 months	18 months; or 3.5 years (additional weight)
MEMORY CAPACITY	9,300 positions	
SCHEDULING OPTIONS (RECORDING INTERVALS)	Custom set-up prior to delivery or optional interface and software programming	
OPTIONAL FEATURES	Temperature, activity and mortality sensors	
OPERATING TEMPERATURE RANGE	-30°C to +85°C	
TIME TO GPS FIX	1-31 seconds Clear Sky	
NUMBER OF CHANNELS (SEARCH/TRACK)	66/22	
VHF BEACON FREQUENCY	150-152khz	
SOFTWARE INTERFACE	Optional download software or return to EcoKnowledge (default model)	
DATUM	WGS '94 or AGD '94	
DATA FORM	Device, date, time, latitude, longitude, easting, northing, 3D fix	

❈ ECOKNOWLEDGE