



Wildlife collar "PULSAR" for terrestrial animals

Functionality

Combined with an Argos satellite transmitter, GPS (or GPS/Glonass) receiver and state-of-the-art battery-safe and transmission management technology the collar "PULSAR" is an effective terrestrial animal tracking solution for medium to large animals such as wolves, elks, deers, bisons, tigers, brown and polar bears. The user receives the animal locations via the Internet on regular basis.

Communication

Satellite system Argos

Specification

Signal

Carrier frequency	401.650 ± 0.03 MHz
Output power	700 mW
Modulation	Manchester encoded phase modulated with 1.1 modulation depth and 400 Hz bitrate

Transmission period	1 min
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Position data

Main	GPS or GPS/Glonass
Additionally	Argos doppler effect
Positioning period	4 min

Ensuring the reliability of transmitted data

BCH coding algorithm

Operation

Environment temperature	-40 to +60°C
Storage temperature	-10 to +10°C
Lifetime	12 months at least

Construction

Power source	lithium batteries
Activation switch	removable magnet
Case	solid one-piece impact-resist assembly
Argos and GPS antennas	built-in
Dimensions (without collar)	18 x 9 x 6 cm
Weight	0.7 to 1.4 kg according to animal

