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SPOT-S-433 PRODUCT SHEET

The SPOT-S-433 is a compact satellite transmitting tag designed for tracking the horizontal movements of free ranging marine animals. As part of the SPOT tag family, the SPOT-S-433 provides reliable Argos locations in a cost-effective, field proven platform.

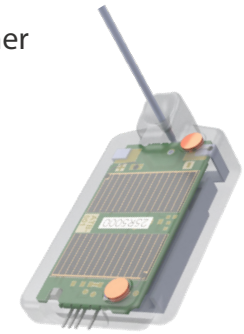
Data Products	
ARGOS Locations	X

The SPOT-S-433 weighs just over 8 grams, making it suitable on juvenile sea turtles with a straight carapace length (SCL) of 15 cm and above. This is one of Wildlife Computers easiest tags to use as it automatically adjusts its transmission effort based on the available solar charge, meaning no programming is necessary. The SPOT-S-433 is well suited for movement studies, migration analysis and habitat use research.

Performance and Data Collection:

SPOT-S-433 tags transmit short messages to any Argos-enabled satellite that is overhead when the animal is at the surface. Transmissions received during satellite passes are used to calculate locations. When consecutive transmissions are received, this increases the probability of higher quality locations.

- Location accuracy: up to 150 meters
- Data availability: near real-time
- Coverage: global, including remote and offshore regions



SPOT-S-433
36 x 19 X 8
and 8.2 g

Key Features of the SPOT-S-433

- **Solar-powered Automation**—operation is fully automated with no setup required. The tag automatically adjusts its transmission effort based on available solar charge, ensuring optimal performance across seasons and environments without the need to choose duty cycling settings or predict sunlight in advance of deployment.
- **Waterproof Construction**—tested to 400 meters in depth.
- **Coverage via the Argos Global Satellite System**—provides time-stamped longitude and latitude, plus sensor data including ambient temperature, battery voltage, and solar charge diagnostics.
- **Proven SPOT Tag Architecture**—Wildlife Computers SPOT tags are among the most widely used and most published marine satellite tracking tags available. Their versatility, durability, and cost-effectiveness have made them a trusted choice for researchers worldwide.

SPOT-S-433 PRODUCT SHEET – CONTINUED

OTHER KEY FEATURES OF THE SPOT-S-433

The Portal Advantage—SPOT-S-433 tags are supported by the Wildlife Computers Data Portal (Portal), a collection of online data management tools and services. Developed specifically for the display and investigation of data from Wildlife Computers tags, the Portal streamlines the processes of acquiring, preserving, and sharing data. The Portal helps collect, prepare, and analyze the data transmitted from the tag. Data are easily sorted, filtered, searched, uploaded, and shared. You can see a Google Earth display of your deployment track, color-coded to show the relative age of each location. You can also easily generate a live KMZ Google Earth link to embed in websites or share with collaborators.

Unmatched Support Expertise—when you choose Wildlife Computers, you're not just getting world-class tags—you're partnering with a team that's dedicated to your success. Our support specialists are highly responsive and deeply knowledgeable, ensuring you get answers and solutions quickly. With over 30 years of experience and more than 4,600 research articles published using our tags, we know what it takes to deliver the data you need for groundbreaking science. From troubleshooting to optimizing deployments, we're here every step of the way to help you achieve your research goals.

TECHNICAL SPECIFICATIONS

Tag weight (excluding neoprene)	8.2 grams
Dimensions (L x W x H) mm	36 x 19 x 8
Pressure rating	Tested to 400 m depth
Operating frequency	401.678 MHz
Operating life	Unlimited with solar
Sensors	Temperature, battery voltage, solar, wet/dry
Operating temperature range (°C)	-5° C to 60° C as specified by the battery manufacturer
Charging temperature range (°C)	0° C to 65° C as specified by the battery manufacturer
Battery charging	Solar
Battery	Lithium polymer rechargeable battery
RF power output	Maximum 500 mW, typically 200 mW when deployed
Tag on/off protocol	Using a magnet

To Learn More Call: **+1 (425) 881-3048** or Email: **tags@wildlifecomputers.com**

Tag features and specifications subject to change without notice.