mrPAT PRODUCT SHEET

The mrPAT is a small, fisheries-independent Argos location reporter ideal for large scale dispersal and movement studies. At just 40 grams, it is the smallest tag in Wildlife Computers pop-up family. It is also the most cost effective, allowing for larger sample sizes and greater assurance of results.

The mrPAT is easy to deploy making it simple for research partners, such as sport and commercial fishermen, to assist with deployments. Researchers have used mrPAT tags on eels, stingray, and steelhead among others.

Data Products

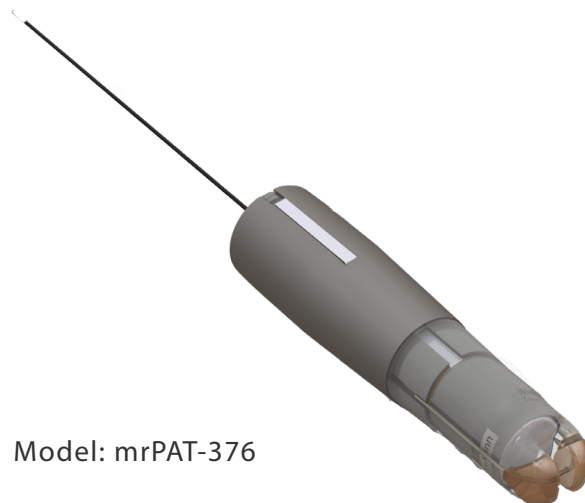|	
Pop-up date and location via Argos	X
Daily minimum/maximum temperature for the 100 days prior to release	X
Daily differnce between minimum/ maximum tilt for the 100 days prior to release	X

Key Features of mrPAT

- **Cost Effective and Easy to Deploy**—Wildlife Computers arranges for the Argos platform numbers and covers the Argos charges. Tags arrive preassembled with tether and anchor. The mrPAT automatically deploys when submerged in seawater.

- **Pops Off at a Predetermined Time**—after a specified time interval or on an absolute date, the release pin burns through, separating the tag from its tether. The tag then floats to the surface and begins transmitting to Argos. Doppler locations are calculated, marking the last known site of the tagged animal. The pop-up coordinates are available for viewing and downloading in the Wildlife Computers Data Portal.

- **Stable Under Tow**—the battery provides ballast, offering stability while the tag is under tow and good keeling while floating and transmitting.

- **The Portal Advantage**—mrPAT tags are supported by the Wildlife Computers Data Portal, a collection of data management tools and services. Developed specifically for the display and investigation of data from Wildlife Computers tags, the data portal streamlines the processes of acquiring, preserving, and sharing data services. The portal helps collect, prepare, and analyze the data returned from the tag via Argos. 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 set up a live KMZ to get data into your own monitoring system.

Tag features and specifications subject to change without notice.

TECHNICAL SPECIFICATIONS

Attachment Type	Towed
Sensors	Temperature, Tilt
Temperature Sensor Resolution	0.05° C
Temperature Sensor Accuracy	±0.1° C
Tilt Sensor Range	±2g (-20 m/s/s to 20 m/s/s)
Tilt Sensor Resolution	0.05 m/s/s
Wet/Dry Sensor	Yes
Length	127 mm
Diameter	28 mm
Weight	40 g
Pressure Rating	2000 m
Operating Temperature Rating (℃)	-20° C to 50° C
Conductivity Operational Limits	0.1 to 5 S/m
Recommended Storage Temperature Range (℃)	-20° C to 5° C
Memory	N/A
Maximum Deployment Length	730 Days

Model: mrPAT-376

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

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