

WHS 4000 Series

JSATS (Juvenile Salmon Acoustic Telemetry System) Acoustic Receiver/Datalogger



Increasingly, fisheries researchers are expressing the need to study smaller fish and the requirement for autonomous telemetry receiver/dataloggers that function in all aquatic environments. With advances in technology, acoustic fish transmitters are now available at less than 0.5 gram and the associated submersible acoustic dataloggers operate for months between battery replacements. BioSonics Telemetry is pleased to add the

JSATS compatible WHS 4000. The WHS 4000 is a sensitive, lightweight, submersible datalogging receiver that enables deployment in a wide range of fisheries applications. Deployments include telemetry gates or sentries to monitor habitat utilization, migration, survival and fine-scale 2D positioning. The WHS 4000 is fully compatible with BioSonics Telemetry L-AMT Series acoustic transmitters operating at 416.7KHz.

Key Features

- JSATS AMT compatible
- BPSK coding with sub-millisecond pulse and check sum for up to 65,536 unique ID's.
- Low cost, lightweight
- Energy efficient - only two (2) D-cell lithium batteries last 100 days



WHS 4000 Series

Specifications

Operating Frequency:	416.7 KHz
Decoding:	BPSK (compatible with JSATS AMT)
Power Requirement:	43 mW
Shape:	Cylindrical
Length:	370 mm
Diameter:	60 mm
Weight:	1 Kg
Buoyancy:	Positive
Operational Life:	100 days
Depth Rating:	200 m
Operating Temperature (°C):	0-50
Data Storage Capacity:	2 Gb (removable SD memory card)
Receiver Clock Drift:	0.5 PPM (<2 sec/30 days)
Diagnostic Information:	Memory status, battery voltage, clock sync Optional: pressure, temperature, tilt angle
Remote Communications:	Wireless RF Optional: Acoustic
Data File Format:	Header, time, date, tag ID, diagnostic information
Direct Cabled Communications:	Optional: USB or RS-232
Battery:	Two (2) D-cell Lithium