



WHS 3250

Technology:  Acoustic

Product:  Hydrophone



Wireless hydrophone system MAP acoustic autonomous receiver

Lotek is pleased to offer the MAP Acoustic compatible WHS 3250 autonomous, data-logging, acoustic node receiving system.

The WHS 3250 is an affordable, lightweight, submersible datalogging receiver system that utilizes CDMA (code division multiple access) coding algorithms typically utilized in high traffic cellular telecommunications systems.

CDMA coding enables high speed manual tracking, collision and noise resistance, precise 2D/3D positioning, and unique discrimination of multiple co-located tags in high traffic/residence situations.

For researchers that use MAP acoustic systems in their studies, the advanced features translate to greater probability of detection and richer data sets that include sensor data and high resolution position tracks.

Features:



Beacon



Duty cycling



Temperature



Depth/Pressure

CDMA coding:

Yields higher probability of detection, decoding and logging in challenging acoustic environments characterized by high noise, multipath echo and high traffic

Over 80,000 unique ID codes:

Including sensor data (temperature, pressure/depth, motion)

Integrated transmit beacon:

Provides ongoing assurance of system functionality and a means for receiver location and recovery

Product Applications

Fish passage/guidance efficiency studies, habitat use and species interactions, continuous 2D/3D position tracking, migration timing/behavior, adult salmon pre-spawn mortality and fallback

| Model | WHS 3250D | WHS 3250L |
|------------------------|------------------------|--------------------|
| Weight (kg) | 1.2 | 1.7 |
| Life (days) | 84 ^[1] | 165 ^[2] |
| Size (ØxL) (mm) | 60 x 430 | 60 x 580 |
| Buoyancy | Negative | |
| Depth rating (m) | 400 | |
| Data storage/ capacity | 2 Gb Removable SD card | |

1. Operational life based on 2 lithium primary D-cells. Operational life may vary slightly based on beacon schedule and ambient temperature.
2. Operational life based on 4 lithium primary D-cells. Operational life may vary slightly based on beacon schedule and ambient temperature.

Technical specifications:

Operating Temperature Range: 0°C to 50°C

Warranty

WHS 3250 hydrophones are warrantied to be free of defects in materials and workmanship under Normal Use subject to the depth rating, deployment and maintenance practices outlined in the corresponding Product Manual for a duration of 12 months.

For Warranty terms and conditions, please review our [Warranty Statement](#).