

## MODEL 395 ACOUSTIC TAG DATA LOGGER



Designed for mobile acoustic tag surveys, the *Model 395 Micro Data Logger* detects the presence/absence of tagged fish in one simple application. Using an omni-directional or direction hydrophone, it works together with HTI's *MobileTag* software to simultaneously detect and identify tagged fish in real-time along with recording the boat's GPS positions in mobile surveys.

The *Model 395* is HTI's smallest data logger at 0.68 kg (1.5 lb) and comes with 2 GB of internal data storage. Minimal power consumption (2.5 watts) allows for  $\approx 20$  days of life at 100 amp-hr with one 12 VDC battery. The *Model 395* can also be used for fixed surveys in HTI's ruggedized stand-alone kit with option for remote access via optional cell modem/WiFi.

### A Brief Overview:

- Simplified Logger Designed for Mobile Acoustic Tag Surveys
- Works with *MobileTag* Software to Simultaneously Detect & Identify Tagged Fish
- GPS Sync Capabilities Records & Tracks Boat Positions in Mobile Surveys
- Store Up to 16 GB of Data with Internal SD Card or Access via Optional Cell Modem/WiFi
- Low Power Consumption at 2.5 watts
- Eco-Friendly Solar Power Options

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## MODEL 395 MICRO DATA LOGGER

<b>Micro Data Logger Dimensions</b>	69.85 mm height x 101.6 mm length (2.75 x 4 inches).
<b>Micro Data Logger Weight</b>	0.68 kg (1.5 lb)
<b>Power Supply</b>	6-30 VDC external power required.
<b>Power Consumption</b>	Approximately 2.5 watts (Life ≈20 days at 100 amp-hr with 12 VDC battery)
<b>Batteries</b>	Recommend deep cycle 12 VDC battery.
<b>Alternate Power Options</b>	<i>Model 399 Solar Panel Option</i>
<b>Operating Temperature</b>	0-50°C (32-120°F)
<b>Maximum Cable Length</b>	3,000 ft (914.4 m)
<b>Frequency</b>	307 kHz
<b>Tag Signal Encoding</b>	Proprietary encoded signal increases the accuracy of the measurement of the signal arrival times at the hydrophones, improving the accuracy of tag position measurements. The HTI coded signal provides an 11 dB improvement in performance, relative to a tag of equivalent source level using a CW pulse.
<b>Cable Diameter</b>	Cable is 12.7 mm (0.5 inch) diameter and wet connector is 60.5 mm (2.4 inches) diameter.
<b>Cable Lengths Available</b>	<i>Model 690-50 Hydrophone Cable: 50 ft (15.2 m)</i> <i>Model 690-100 Hydrophone Cable: 100 ft (30 m)</i> <i>Model 690-150 Hydrophone Cable: 150 ft (46 m)</i> <i>Model 690-200 Hydrophone Cable: 200 ft (61 m)</i> <i>Model 690-250 Hydrophone Cable: 250 ft (75 m)</i> <i>Model 690-500 Hydrophone Cable: 500 ft (150 m)</i> <i>Model 690-750 Hydrophone Cable: 750 ft (230 m)</i> <i>Model 690-1000 Hydrophone Cable: 1,000 ft (305 m)</i> <i>Model 690-1000 Hydrophone Cable: 2,000 ft (150 m)</i>
<b>MobileTag Software</b>	<i>See individual MobileTag Software spec for details.</i>

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## OPTIONS

*Cell Modem*  
*Model 398 WiFi*  
*Model 399 Solar Panel*

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Back View – Hydrophone Connection



Top View