

MODEL 395 ACOUSTIC TAG DATA LOGGER



The *Model 395* is our 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 ≈ 20 days of life at 100 amp-hr with one 12 VDC battery. The *Model 395* can be used for fixed surveys in a stand-alone kit with option for remote access via optional cell modem/WiFi.

The data logger is the shore-based component of the system which incorporates a Model 590 hydrophone and Model 690 hydrophone cable, the in-water components.

A Brief Overview:

- Simplified Logger Designed for fixed-location Acoustic Tag Surveys
- Works to Simultaneously Detect & Identify Tagged Fish
- 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

Micro Data Logger Dimensions	20 cm length x 13 cm width x 7 cm height (7.87 x 5.12 x 2.75 inches).
Micro Data Logger Weight	0.68 kg (1.5 lb)
Power Supply	6-30 VDC external power required.
Power Consumption	Approximately 2.5 watts (Life ≈20 days at 100 amp-hr with 12 VDC battery)
Batteries	Recommend deep cycle 12 VDC battery.
Alternate Power Options	<i>Model 399 Solar Panel Option</i>
Operating Temperature	0-50°C (32-120°F)
Maximum Cable Length	3,000 ft (914.4 m)
Frequency	307 kHz
Tag Signal Encoding	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.
Cable Diameter	Cable is 12.7 mm (0.5 inch) diameter and wet connector is 60.5 mm (2.4 inches) diameter.
Cable Lengths Available	<i>Model 690-25 Hydrophone Cable: 26 ft (7.6 m)</i> <i>Model 690-50 Hydrophone Cable: 50 ft (15 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 (76 m)</i> <i>Model 690-500 Hydrophone Cable: 500 ft (152 m)</i> <i>Model 690-750 Hydrophone Cable: 750 ft (229 m)</i> <i>Model 690-1000 Hydrophone Cable: 1,000 ft (305 m)</i>
Software	<i>ViewTag</i> - Designed for configuring and monitoring the <i>Model 395 Data Loggers</i> . Capable of detecting and identifying tagged fish in real-time. ATAG data processing key required for post-processing data analysis, not included.

OPTIONS

Cell Modem
Model 398 WiFi
Model 399 Solar Panel



Back View – Hydrophone Connection



Top View