



**GeoSpectrum Technologies Inc**  
Customizing Detection

## Hydrophone Field Calibrator (M351)

Battery Operated  
Hand-held  
Easily Configurable



# Hydrophone Field Calibrator (M351)

The M351 is a battery operated precision hydrophone field calibrator. The calibrator can display the hydrophone (HP) sensitivity and/or the sound pressure level (SPL) in the calibration chamber. The M351 is intended to calibrate GTI M36 hydrophones and, with optional adapter inserts, other hydrophones with a similar form factor, including hydrophones from Ocean Sonics and HTI.



## HP Connection Software

GTI provides a windows application, Hydrophone (HP) Connection Software, which enables users to update firmware on the field calibrator as well as to view the data stored on the internal EEPROM. Communication with the field calibrator is achieved serially via a USB-B port on the calibrator.

## Accessories

- Battery Charger: 100-240VAC Smart Charger
- 0.7A USB-A to USB-B Cable:
- Standard USB 2.0 Male-Male
- Hydrophone Adapter Inserts (Optional)



## General Specifications:

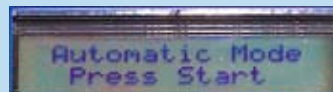
- Hydrophone:** M36 & others with same form factor  
Max Diameter of 1.5"  
(active element in the top 3" of the sensor)
- Interface:** MCBH-8F on Calibrator
- Frequencies:** 10, 26, 70, 100, 250Hz
- Computation:** HP Sensitivity and/or SPL in Box
- Reference HP:** GTI M2, accuracy  $\pm 0.1$ dB
- Calibration Accuracy:**  $\pm 0.25$ dB
- Display:** Basic 16x2 character LCD
- Calibration Data Storage:** Internal EEPROM
- Software:** Windows 7, GTI HP Connection
- Communication:** Serial via USB-B port on Calibrator
- Power:** Internal 12V NiMH Rechargeable Battery

## Calibration System Mechanical Specifications:

- Outer Dimensions:** 11.8" x 9.8" x 7.7"
- Weight:** 11 lbs
- Environmental:** (Case when closed)  
MIL-STD-810F Falling Rain, Method 5009.1, sect. 6.71  
MIL-STD-810F Immersion, Method 512.4
- Operating Temperature:** -10°C to +35°C

## Modes of Operation:

- Manual (selectable frequency tones)
- Automatic (calibrates at all 5 frequencies)



Sample LCD Display



## Represented by:

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