

External Calibrator for Hyperion Infrasound Sensors: Progress and Direction

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Hyperion Technology Group, Inc., along with the National Center for Physical Acoustics at the University of Mississippi, USA (NCPA), has been developing an integrated calibration system for its line of infrasound sensors. This technology will allow self-calibration of the infrasound sensor in the field using existing installed equipment. While currently verified as an add-on for existing sensors, work is progressing to integrate the system into the sensor hardware for a fully self-contained deployment. The calibrator allows the sensor to function nominally without significant change in response. When activated by an external signal from existing digitizers the system will produce signals between 0.01 and 10 Hz at amplitudes greater than 30 Pa. We report on the theory, performance, and roadmap for implementation.

Promotional text

A report on the features and status of an in situ calibration technology for Hyperion Infrasound sensors. This will allow remote verification of sensor response and function using a built-in acoustic source.

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