



SENSOR CALIBRATION LABORATORY

LABORATORY INFORMATION FACT SHEET

CONTACT US:

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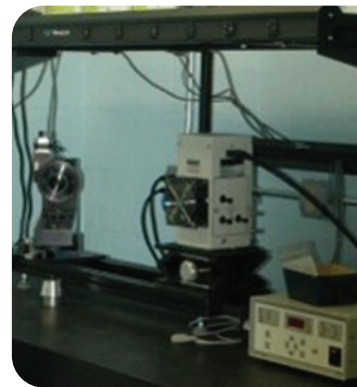
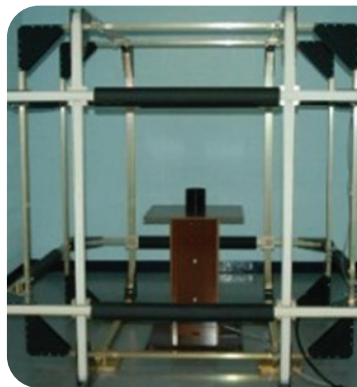


The Sensor Calibration Laboratory is an equipped facility providing the capability to support electronic product development from highly complex weapon system sensors, mine electronics and electronic warfare equipment to simple electronic devices.

TECHNOLOGY/FACILITY DESCRIPTION:

Experienced laboratory personnel provide design, fabrication, test, evaluation, calibration, troubleshooting and failure analysis assistance for Accelerometer,

Magnetometer and Yawsonde based electronic systems, subsystems or components. A Centrifuge within the facility allows testing of rotational forces, a Helmholtz Coil for magnetic field generation and a Solar Table capable of simulated sunlight for solar sensor calibration. The laboratory and its personnel are an ideal source of electronic "know how" for small and medium businesses seeking assistance in electronic product development.



EQUIPMENT AND EXPERTISE AVAILABLE:

- Spin Table (1900rpm max)
- Solar Table (1DOF, 2DOF Solar Illum)
- Helmholtz Coil (3D)
- Design, fabrication and testing of prototype circuits for new or improved products
- Troubleshooting and evaluation of existing electronic circuits and equipment using specially designed test circuits and test fixtures
- Stress testing of electronic assemblies in rotational force environments
- Calibration and testing of yawsonde (Solar Sensors & Photodiodes) based electronics systems for roll, azimuth and "up finding" munitions characterization
- Calibration and testing of magnetometer based systems within a three axis magnetic field generator (Helmholtz Coil)
- Failure analysis of items in development or production to determine the precise cause of the failure and recommended solution
- Analysis and optimization of performance resulting from component or circuit modification