MTS

SENSOR, DATA ACQUISITION BOARDS

- Selection of 4 Standard Sensor Boards
- TinyOS Drivers Support Sensor Readings
- Supports MICA, MICA2, MICA2DOT Motes
- Individual Power Control for Each Sensor

Applications

- Vibration and Magnetic Anomaly Detection
- External Sensor Connection
- Localization and Acoustic Tracking
- Robotics
- Wireless Sensor Networking

MTS300

The MTS300CA is a flexible sensor board with a variety of sensing modalities. These modalities include Light, Temperature, Acoustic, and Sounder. The MTS300CA is for use with both MICA and MICA2 Motes.

MTS310

The MTS310CA is a flexible sensor board with a variety of sensing modalities. These modalities include 2-Axis Accelerometer (ADXL202), 2-Axis Magnetometer, Light, Temperature, Acoustic, and Sounder. The MTS310CA is for use with the MICA and MICA2 Motes.

MTS101

The MTS101CA series sensor board has a precision thermistor, a light sensor/photocell, and general prototyping area. It is for use with the MICA and MICA2 Motes. The prototyping area supports connection to five channels of the Mote’s A-D Converter, the I2C digital communications bus, and has 24 unconnected solder points that are used for breadboarding.

MDA500

The MDA500CA series prototype and data acquisition board provides a flexible user-interface for connecting external signals to the MICA2DOT Mote. All of the major I/O signals of the MICA2DOT Mote are routed to plated thru holes on the MDA500CA circuit board.

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTS101CA</td>
<td>Light, Temperature, Prototype Area Sensor Board for MICA, MICA2 Motes</td>
</tr>
<tr>
<td>MTS300CA</td>
<td>Light, Temperature, Acoustic, and Sounder Sensor Board for MICA, MICA2 Motes</td>
</tr>
<tr>
<td>MTS310CA</td>
<td>Light, Temperature, Acoustic, Sounder, 2-Axis Accel, and 2-Axis Mag Sensor Board for MICA, MICA2 Motes</td>
</tr>
<tr>
<td>MDA500CA</td>
<td>General Purpose Interface for MICA2DOT Motes</td>
</tr>
</tbody>
</table>