

Congratulations on the purchase of your new Integrating Cavity Absorption Meter (ICAM). We are committed to customer satisfaction. If you need assistance, technical specialists are available to answer your questions at 408-749-0994 or toll-free at 877-316-8049. This Quick Start Guide can be used to connect and configure the ICAM for sampling in Profiling/Real-Time or Datalog Mode. For a detailed explanation of each mode, refer to the ICAM User's Manual.

### 1 ICAM Software Installation

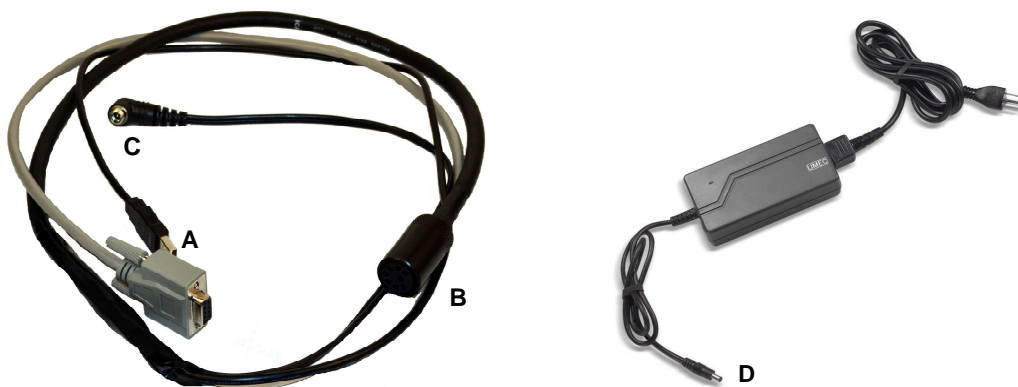
1. Insert the ICAM flashdrive into your computer.
2. Open the ICAM Software folder and double click the setup icon.
3. The software will automatically install into the "C:\Program Files\Turner Designs\ICAM\_Software" directory unless an alternate location is selected.
4. When prompted, restart your computer.

**NOTE: ICAM software can also be found at the following web address**

<http://www.turnerdesigns.com/customer-care/software-a-firmware>

### 2 Connections

1. Plug the USB end (A) of the Interface cable into your computer.
2. Connect the cable (B) to the 8-pin bulkhead connector of the ICAM.
3. Connect the power plug of the cable (C) to the 12V power supply and the 12V power supply (D) into a wall outlet.
4. Start ICAM Software by double clicking the desktop icon created during installation.
5. Within the "Main" tab, click on "Connect to Device". When this operation is successful, the "Connection Status" light will turn green and the software will declare "Device is now connected via serial communication".



### 3 Configuring ICAM for Data Collection

#### A: Internal Datalogging Mode

1. Within the “Main” tab, synchronize the current date and time of the ICAM to your PC’s date/time.
2. Click on the “Datalog and Profiling Setup” tab.
3. Click on the “Set Datalog Start” button. Use the “Now” button to set data logging to begin immediately upon power up, use the quick buttons to select a preset start date/time, or manually set a start date/time using the drop down menus.
4. Click on the “Set Sample Interval” button. Use the quick buttons to select a preset sample interval or manually set a sample interval using the drop down menus.
5. By default, ICAM will collect data for all channels. Click on the checkbox next to any channel you do not want to collect data from.
6. Click on the “Program Device” button.
7. The instrument is now set to log data per set sample interval starting at the time you designated. Click on the “Main” tab. Click on the “QUIT ICAM” button. Disconnect the ICAM from the power supply. Disconnect the ICAM from your computer. The next time the ICAM is powered, it will start sampling. The LED will blink with each sample interval (e.g. for 1 second sample interval, the LED will blink once per second).

**IF THESE STEPS ARE NOT COMPLETED, THE ICAM WILL NOT RECORD DATA!**

#### B: Profiling/Real-time mode

1. Within the “Main” tab, synchronize the current date and time of the ICAM to your PC’s date/time.
2. Click on the “Real Time Data” tab. Set the number of “Data Lines” per sampling interval (the maximum is 6 samples per second).
3. By default, ICAM will collect data for all channels. Click on the checkbox next to any channel you do not want to collect data from.
4. Click on the “Collect Data” button
5. Data are now being written to a file that is saved to your PC, not the ICAM. These data can be viewed as real time data in tabular form on the “Current Data” tab, or in graphical form on the “Graph” or “Spectral Graph” tabs.