

DAS-8 USB DATA ACQUISITION SYSTEM

PACKAGE CONTENTS

DAS-8 USB Data Acquisition System
USB cable male A to male B
Measurement Computing Software including
Instacal, Labview drivers
Physitemp DAS-8 data CD-ROM

INSTALLATION INSTRUCTIONS:

1. Turn on the computer.
2. Find Measurement Computing Instacal software CD-ROM and install in CD-ROM drive. Follow on-screen instructions for installation of Instacal.
3. Connect DAS-8 USB Data Acquisition System to spare USB port on the computer. When the computer recognizes the hardware, start 'Instacal' software. Instacal will automatically find the hardware and identify it as being a 'USB temp' and having a "board no". Double click on the "board no" to highlight it and when the configuration screen pops up, set all inputs to 'semi-conductor' and 'custom'. Save configuration and select 'write info to board'.
4. Close Instacal and remove Instacal CD-ROM. Install DasyLab CD-ROM and follow instructions for installation. The serial number is on the inside of the CD case. When the 'select components' screen is displayed, click all option boxes. When the 'DasyLab driver' screen is reached, double click on 'data acquisition' and check box marked 'Measurement Computing'. When installation is complete, restart the computer.
5. Start DasyLab and double click in 'Input/Output'. A menu will open up with the drivers for MCC-DAQ at the bottom of the list. If MCC-DAQ is not present, re-install DasyLab as described in the previous step. Check 'modify' and make sure that the 'Measurement Computing' box is checked. Restart and repeat this step to ensure that MCC-DAQ is present. If it is present, remove the DasyLab CD-ROM and install the Physitemp DAS-8 USB Data disk. Explore the contents of the drive and double click on the DasyLab icon to open the DasyLab software, which is designed for your application (i.e. conversion of TH-8 analog output to temperature in degrees centigrade). Connect TH-8 analog output cables to inputs 0-3 on rear panel of DAS-8 USB.

6. A display showing several blocks and inter-connections will appear on the screen. Click on 'experiment' in the toolbar and click 'Start'. If 'Start' is not an available option, the experiment is already running. Maximize the digital display or graph to view only the temperature readings.
7. To change the appearance of the digital or graphical display, stop the experiment and double click on either the digital display box or graphics box in the DasyLab experiment display. Individual parameters can be changed and stored by saving the new configuration. Data storage features can be accessed in a similar manner by double clicking on the box to the far right and changing the file format or acquisition rate.

For technical information, contact Physitemp Engineering

Physitemp Instruments Inc
154 Huron Avenue
Clifton NJ 07013
Tel: 1-800-452-8510
Fax: 1-973-779-5954
E-mail: physitemp@aol.com