



205 Westwood Ave
Long Branch, NJ 07740
1-877-742-TEST (8378)
Fax: (732) 222-7088
salesteam@Equipment.NET

DEFIB-5 ENERGY CALCULATION SOFTWARE VERSION 1.0

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System Requirements:

CPU Speed: 2GHz or Higher
Memory: 512MB or Higher
Operating System: Windows 2000 or Windows XP.
Optimal Screen Resolution: 1280x1024 pixels or 1024x768 Pixels

Installation Instructions:

1.-Install a GPIB card & driver:

Make sure that a GPIB card is correctly installed in the computer. To install a new GPIB card follow the manufacturer instructions and install the provided driver.

If you have a National Instruments GPIB PCI card, the Installation CD has an up to date generic driver for PCI cards (see folder "1_GPIB Driver").

At the National Instruments web page (<http://www.ni.com>) it is possible to download the latest driver for GPIB cards or just confirm if the provided driver is appropriate for the card.

When installing a GPIB card make sure that you also install the National Instruments "Measurement & Automation Explorer" software, version 3.0 or higher. This software allows browsing the National Instruments software components installed in the computer, also it provides a way to test the communication with the oscilloscope before installing the DEFIB-5 Software. An up to date version of the "Measurement & automation" explorer is automatically installed when using the provided GPIB PCI card driver or during the installation of this software package explained by the following steps.

After Installing the GPIB card make sure that it is correctly installed by checking that the device driver is listed at the computer's Device Manager: go to START--> CONTROL PANEL --> SYSTEM-->HARDWARE--> DEVICE MANAGER. The GPIB device properties should specify that the card is working properly (see the provided installation manual for additional information or consult the card manufacturer manual).

2.-Install the DEFIB-5 Application Software:

Enter to the "2_DEFIB-5 Setup" folder and run the "SETUP.exe" file, follow the installation instructions and reboot the computer when prompted. This will install the DEFIB-5 application software, the National Instruments IVI compliance package version 3.1 (this handles the access to virtual instruments used in the application software), and the LabVIEW Run-Time Engine 8.2.1 (this allows the execution of LabVIEW programs without installing the Labview full Development software).

3.-Install the AG3000 Series Oscilloscope Driver:

Enter to the "3_AG3000 Scope Driver" folder and run the "ag3000LV80.exe" file, follow the installation instructions. This will install the required files to allow communication between the software and the oscilloscope.

4.-Install the VISA 3.2 driver:

Enter to the "4_Visa 3.2 Driver" folder and run the "visa320full.exe" file, follow the installation instructions and reboot the computer when prompted. This will install the files required to communicate with virtual instruments used in the application software.

After following all the previous steps you should be able to run the National Instruments Measurement & Automation Explorer and confirm that you have installed the following hardware Devices and Software components:

- 1.- GPIB card
- 2.- IVI Compliance Package 3.1
- 3.-Labview Runtime Engine 8.2.1
- 4.-NI-VISA 3.2
- 5.- AG3000 Series Driver

The installation manual has an example of each step which provides pictures to allow the user easily identify if the process was done correctly.

After confirming a correct installation run the DEFIB-5 software by clicking the "D-5_1_0.exe" application. This program will be inside the following path: C:\ Program Files\D-5_1_0\. Also a shortcut to the program will be at: START--> ALL PROGRAMS --> D-5_1_0. For easy access to the program this shortcut can be copied to the computer's Desktop screen.

The logo for Tequipment.NET is enclosed in a red rectangular border. It features a large red letter 'T' on the left. To the right of the 'T' is a small American flag with the word 'USA' above it. Below the 'T' and the flag, the word 'Tequipment' is written in a blue, sans-serif font. Underneath 'Tequipment', the word '.NET' is written in a red, sans-serif font. To the right of the logo, the following contact information is listed in a black, sans-serif font:

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