Installing FuelDual for PEM and MeOH Operation
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This document describes the installation of a single 890 test system that can be used for either PEM or MeOH configurations.

The FuelDual program described below is typically used to attach multiple 890 test stations to a single computer. In this case, it will be used to create multiple independent configurations for a single station.

Multiple startup icons will be placed on the desktop so that the system can be started in PEM or MeOH modes.

- Install the FuelCell software and test the system using the PEM hardware. If FuelCell has already been installed on the computer, use the normal Setup program on the CD to update FuelCell to the latest version.
- Browse the FuelCell CD and locate the program **fueldual35.exe**
- Install FuelDual by running the above executable on a machine that is already running FuelCell properly and has a working GPIB card installed.
- Follow the installer directions carefully!
- Destination Directory: Use the default setting (C:\FuelCell) unless the FuelCell program had been previously installed in a different location.
- Define Station #1: Select a new Station Name for the existing configuration, for example **FuelCell-PEM**. The Gpib Address and Reformer Gpib Address should match the existing configuration and should not be changed (the defaults are Gpib Address 7, Reformer Gpib Address 0).
- Define Station #1: Select a Station name for the new configuration, for example **FuelCell-MeOH**. Set the Gpib Address and Reformer Address to exactly match those used for Station #1 (normally 7 and 0).
- Select 890 Model for Station #2: Select the model (current, voltage, power ratings) of the Load Unit.
- If an 890B is selected you will be prompted for the Calibration disk. Put the 890B calibration floppy disk in the computer, and select the appropriate drive letter.
- If you have any questions or problems please contact our technical support staff 910-695-8884

Note: The FuelDual installation process described above will create 2 identical, but independent software configurations. Each configuration is accessed by starting the FuelCell program using the appropriate icon on the desktop.

Start the FuelCell program using the FuelCell-MeOH icon and use **File | Instrument Configuration…** to select the fuel control hardware that is used for this configuration.