# USB Driver Installation

In order for your computer and LabVIEW® to recognize the Model 3000 Digital Capacitance Meter, USB drivers must be installed on your computer. The USB drivers and installation procedure are available on the Model 3000 application CD or can be downloaded from our website:

www.glkinst.com/cmetersoftware/USBDriverRev100103.zip

**Pre-installation:**

Unzip the driver file "USBDriverRev100103.zip" to a local directory. By default all driver and documentation files will unzip to the directory "… \FTC Drivers\". A list of the files in the directory is shown below.

Ftccomms.vxd
FTCSENUM.SYS
FTCSENUM.VXD
FTCSER2K.SYS
FTCSER98.SYS
FTCSER.INF
FTCSERCO.DLL
FTCSMOU.INF
FTCSMOU.VXD
FTCSUI2.DLL
FTCSUI.DLL
FTCUN2K.INI
FTCUN98.INI
FTCUNIN.EXE
FTCUSB.INF
FTCUSB.SYS
FTD2XX.DLL
Readmefirst.pdf
Readmefirst.txt
ReleaseNotes.doc
Windows_XP_Installation_Guide.pdf

**Installation:**

The USB port on the Model 3000 uses the DLP-2232M module and FDTI FT2232C chip. The most recent drivers and other useful information can be found on their websites:

www.dlpdesign.com/usb/2232m.html
www.ftdichip.com/Drivers/FT2232CDrivers.htm

For trouble free installation, it is highly recommended that you follow the procedure for installing the USB drivers, described section 3 "Installing FT2232C Devices", in the FTDI

document: "**Windows_XP_Installation_Guide.pdf**". This document is included in the "USBDriverRev100103.zip" file or can be downloaded from the link given below:

[www.ftdichip.com/Documents/InstallGuides/Windows_XP_Installation_Guide.pdf](www.ftdichip.com/Documents/InstallGuides/Windows_XP_Installation_Guide.pdf)

**Note:** Under Windows XP, the "Found New Hardware Wizard" should be used to install devices when they are connected to the PC for the first time, as this is the recommended procedure for reliable device operation. The FTDI USB driver installation installs both the D2XX (dll) driver and VCP (virtual communication port) driver for both A and B ports. The "Found New Hardware Wizard" will run four times to complete the installation.