



Installation instructions for TP4000ZC Circular Chart Recorder Software

This program captures data from a TekPower TP4000ZC multimeter and plots to a circular chart. The program is primarily a product demo and can be used as the starting point for developing custom software to address your specific requirements. Contact Intelligently Designed Systems to discuss customizing and expanding the program to meet your needs.

Requirements

- TekPower TP4000ZC Multimeter with RS-232 output.
- Serial port on computer or USB-RS-232 adapter (e.g. Trendnet TU-S9).
- Windows: Windows XP service pack 3, Windows Vista SP 1, or Windows 7 SP 1.
- Microsoft .NET Framework 4. (Will download automatically if not present)

Installation

- Create a folder on your C:\ drive named "TP4000ZC".
- Extract the zipped download to C:\TP4000ZC and run setup.exe. After it installs and runs the recorder software, close the recorder with the red X and restart the computer.
- Copy "init.bmp" from the install folder to <C:\TP4000ZC> or there will be an error.
- Microsoft Visual Basic Powerpacks 10 should install. If it does not, download from <http://go.microsoft.com/fwlink/?LinkID=145727&clid=0x804> and install manually.
- The recorder program should be accessible from the Start->Programs->IntDSys folder
- If not, right click the TP4000ZCchartRecorder icon and create a shortcut.
- Move the shortcut to your desktop and restart your computer.

Operation

- Attach the TP4000ZC meter to a serial port (e.g. COM1, COM2, etc).
- Turn on the TP4000ZC meter and run the program.
- Adjust the magnitudes and times and click Label the Paper
- Pick the correct COM port from the combo box and Click "Start Reading Meter".
- Click the checkbox to "Start Logging Data" to a file when ready.
- Click "Print" at any time to obtain a hardcopy. Click "Quit" when finished.
- The name of the output data file is displayed during operation.

Troubleshooting

- After installation, make sure to follow the steps above to close the recorder and restart.
- If the meter display cannot be read, turn off the meter with the program running, then quit the program. Restart the meter and then the program.
- If the meter display cannot be read or an error occurs when "Start Logging Data" is clicked, make sure you have chosen the correct COM port.