

Instruction Manual

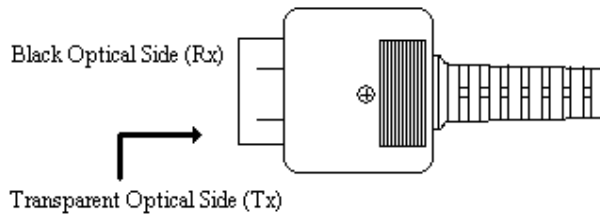
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RS232 Wiring Hardware

PC Interface Cable

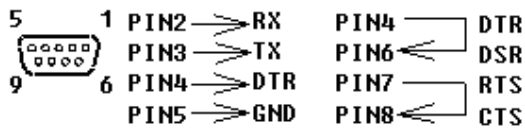
Meter side of PC Interface Cable

The RS-232 “Optical” plug side of the PC Interface Cable connects to the meter’s RS-232 “Optical” jack. Refer to the diagram below for wiring information.



Computer’s Serial Port side of Interface Cable

The RS-232 “DB-9” side of the PC Interface Cable connects to the PC’s COM port. Refer to the diagram below for wiring information. Note that a SERIAL to USB Adapter may be used.



RS232 Default Settings

When RS-232 communication enabled ,the default RS-232 settings are

Baud Rate **19200**

Parity **None**

Data bits **8**

Stop bit **1**

RS232 Decode

“w” then “space” : (61 Bytes MCU DATA)

02 AVH AVL AIH AIL AVAH AVAL AWH AWL APFH APFL
 A0H A0L AVARH AVARL BVH BVL BIH BIL BVAH BVAL
 BWH BWL BPFH BPFL B0H B0L BVARH BVARL CVH CVL
 CIH CIL CVAH CVAL CWH CWL CPFH CPFL C0H C0L
 CVARH CVARL TVAH TVAL TWH TWL TPFH TPFL T0H T0L
 TVARH TVARL HZH HZL I4H I4L FLAG0 FLAG1 FLAG2 03

FLAG 0

BIT0 : P2W

BIT1 : 1P3W

BIT2 : 3P3W2M

BIT3 : 3P4W

BIT4 : MODE

BIT5 : LBT

BIT6 : X

BIT7 : X

FLAG 1

BIT0 : AWN

BIT1 : AVARN

BIT2 : BWN

BIT3 : BVARN

BIT4 : CWN

BIT5 : CVARN

BIT6 : AVOL

BIT7 : AIOL

FLAG 2

BIT0 : BVOL

BIT1 : BIOL

BIT2 : CVOL

BIT3 : CIOL

BIT4 : I4OL

BIT5 : TWN_FLAG

BIT6 : TVARN_FLAG

BIT7 : RST_FLAG

“W” then reply “77H” then command as below

(D) + YY,MM,DD,hh,mm,ss set RTC

(G) erase memory

(K) + No.s read details of recorded set

No.s of Rec.s + YYMMDDhhmmss + Flag0 + Interval.

2 + 6 + 1 + 1 (bytes)

(k) (follow K + N command) read details (256 bytes / k command)

Flag1 + Flag2 + Hz + AV +AI + AW + BV + BI + BW + CV + CI + CW + I4

1 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 (bytes)

(T) load major information of data logger

Sets + Last add. + Rec.s of 1st set + YYMMDDhhmmss + Flag0 + Interval

+ Rec.s of 2nd set + YYMMDDhhmmss + Flag0 + Interval

.....

1 + 3 + 2 + 6 + 1 + 1 + 2 + 6 + 1 + 1 (bytes)

Graphic Mode :

(E) escape from graphic mode

(a) load graphic voltage data of A phase

(b) load graphic voltage data of B phase

(c) load graphic voltage data of C phase

(d) load graphic current data of A phase

(e) load graphic current data of B phase

(f) load graphic current data of C phase

HARDWARE REQUIREMENTS AND SETUP

PC HardWare Requirements :

HDD, CD Rom, 486 PC or above, with an available COM port
EGA or higher monitor
4M bytes or more memorysize

PC HardWare Setup :

- 1) Switch off all power related to the PC
- 2) Connect the DB9 (female) end of the supplied RS-232 cable to available COM port
- 3) Switch on all related power
- 4) Connect the fiber end of the supplied RS-232 cable to the meter

Software Requirements and Setup

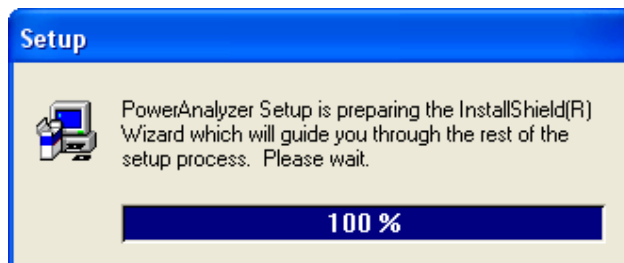
- 1) Start up windows 98//XP operating system
- 2) Close all other application
- 3) Insert disk in CD drive

Wait for “Autorun” to start and follow on-screee instructions

(If “autorun” does not start, click on “Start” then “Run”. Type the drive letter and
:\ Disk1\Setup.exe and click “OK” .)

- 4) Setup program will run automatically.

1.

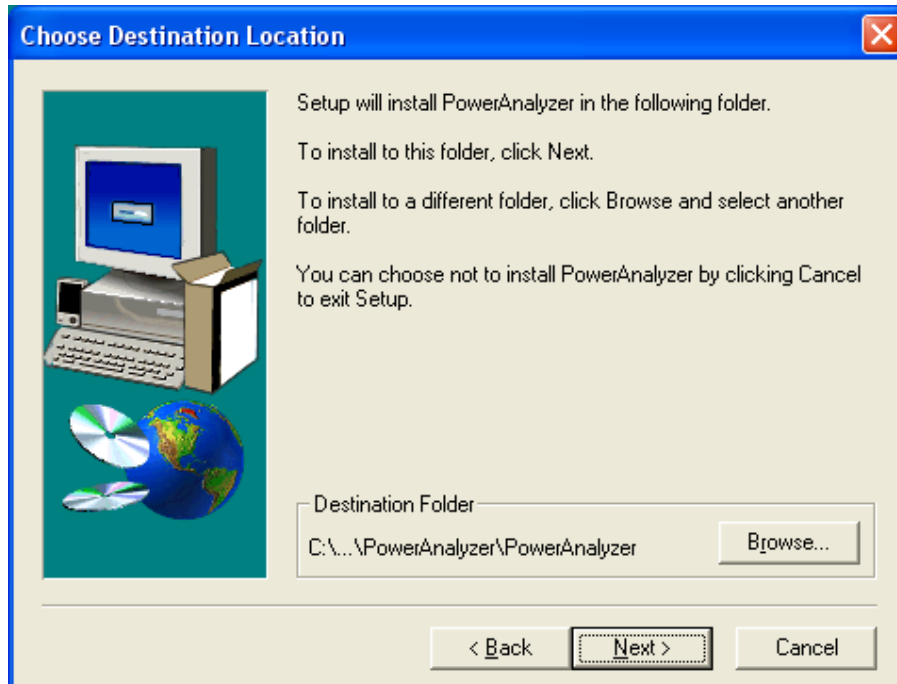


2.



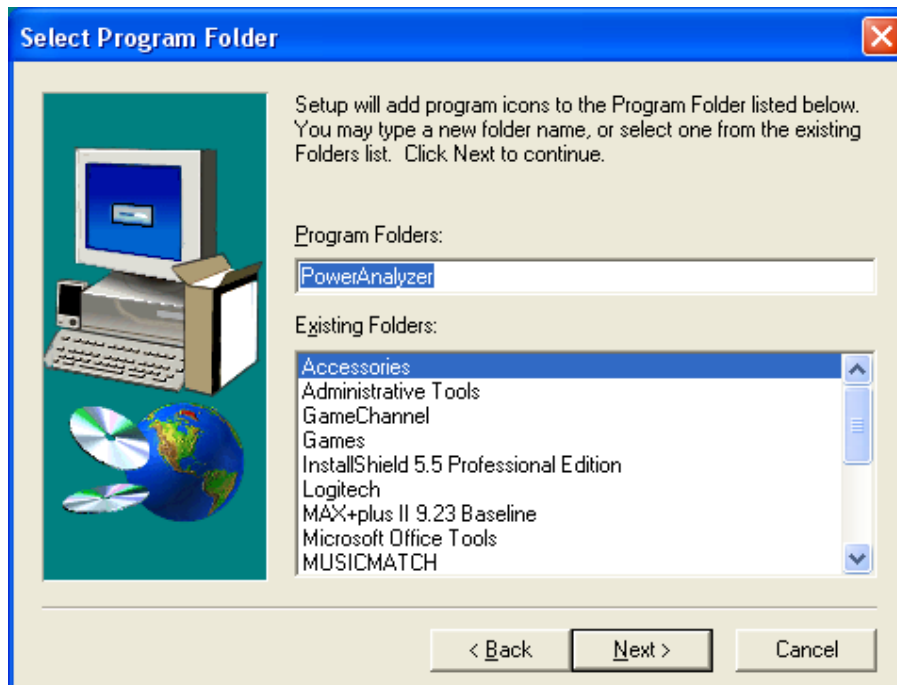
Click "Next"

3.



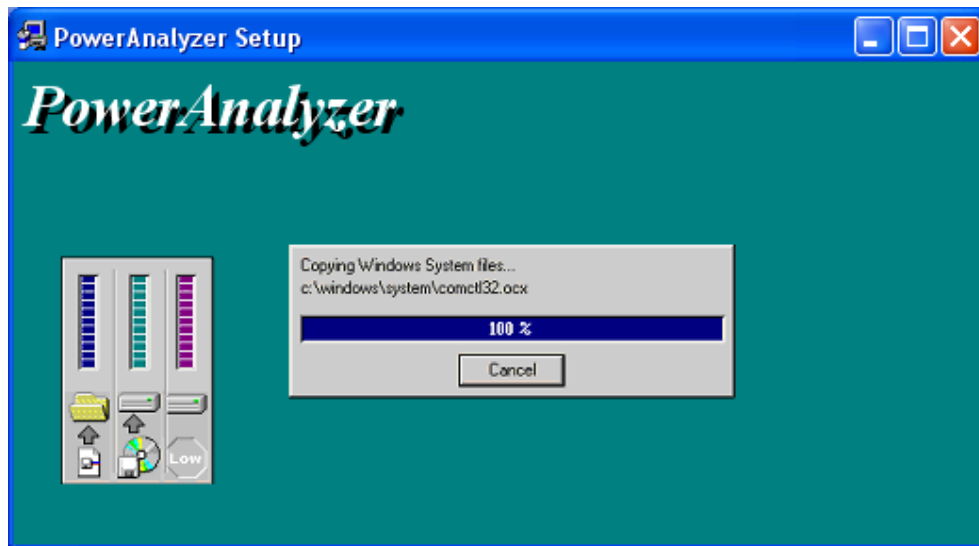
- a) Click "Next" to setup on the default folder or
- b) Click "Browse" to setup on a different folder

4.



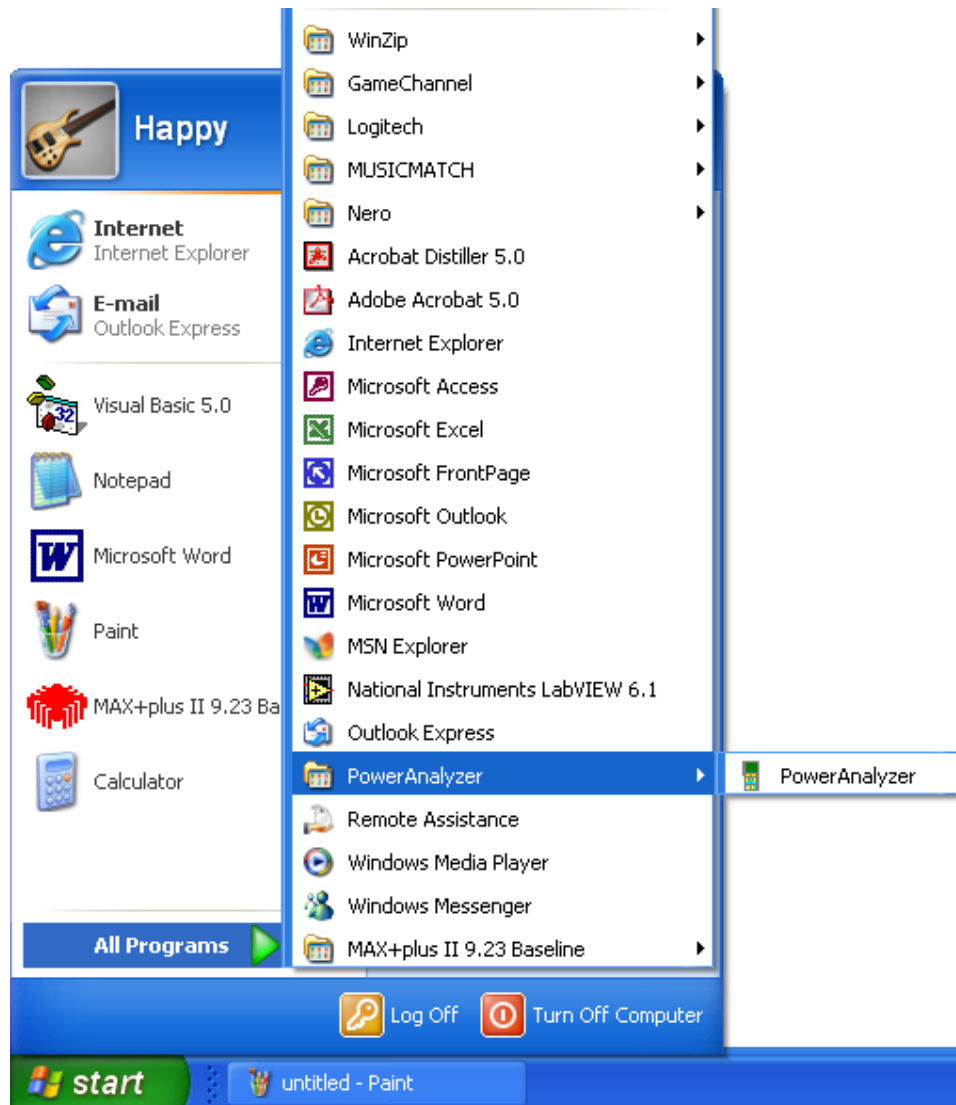
Click "Next"

5.



Communication Operation

Run the software

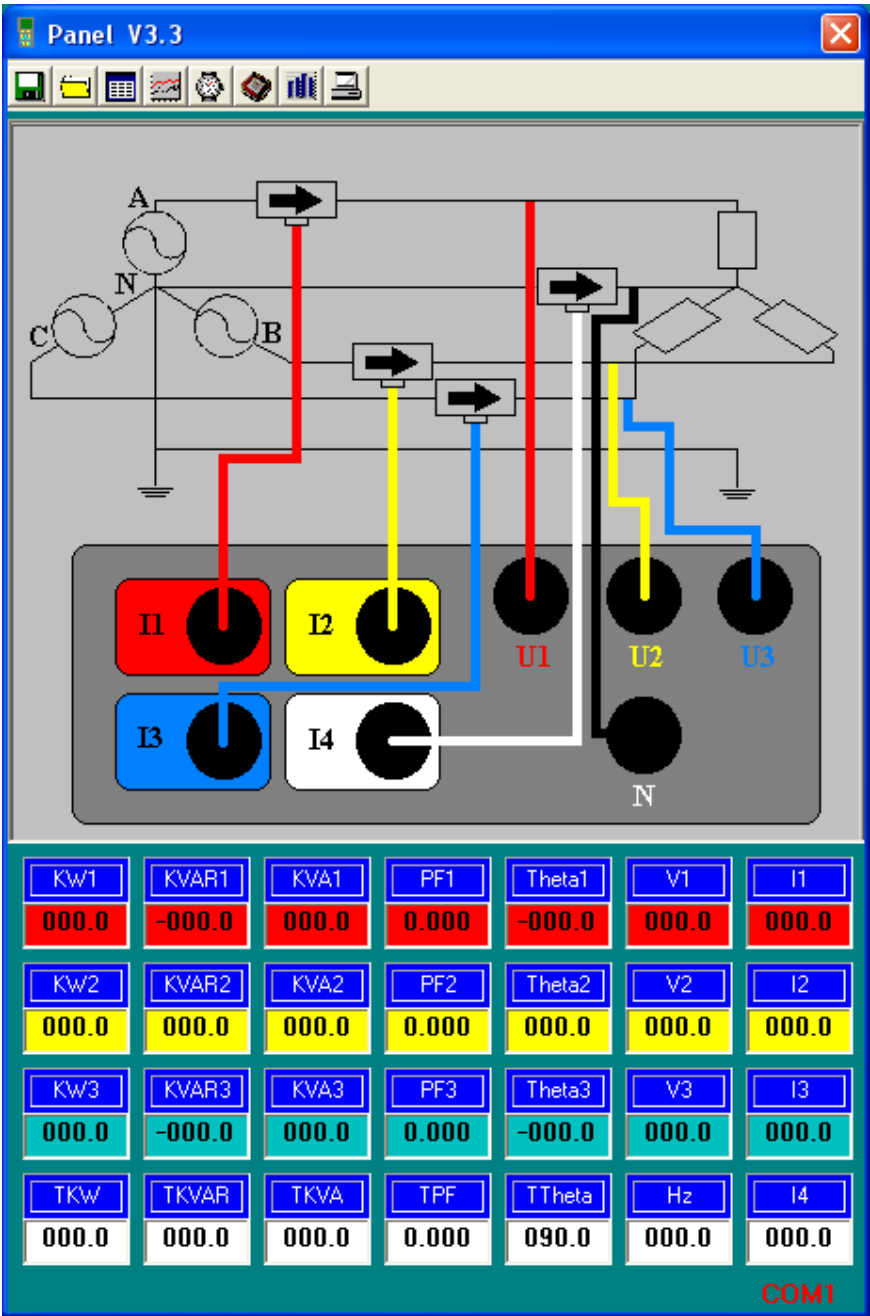


Start → All Programs → PowerAnalyzer (Default) → PowerAnalyzer



Select an available COM Port then click 

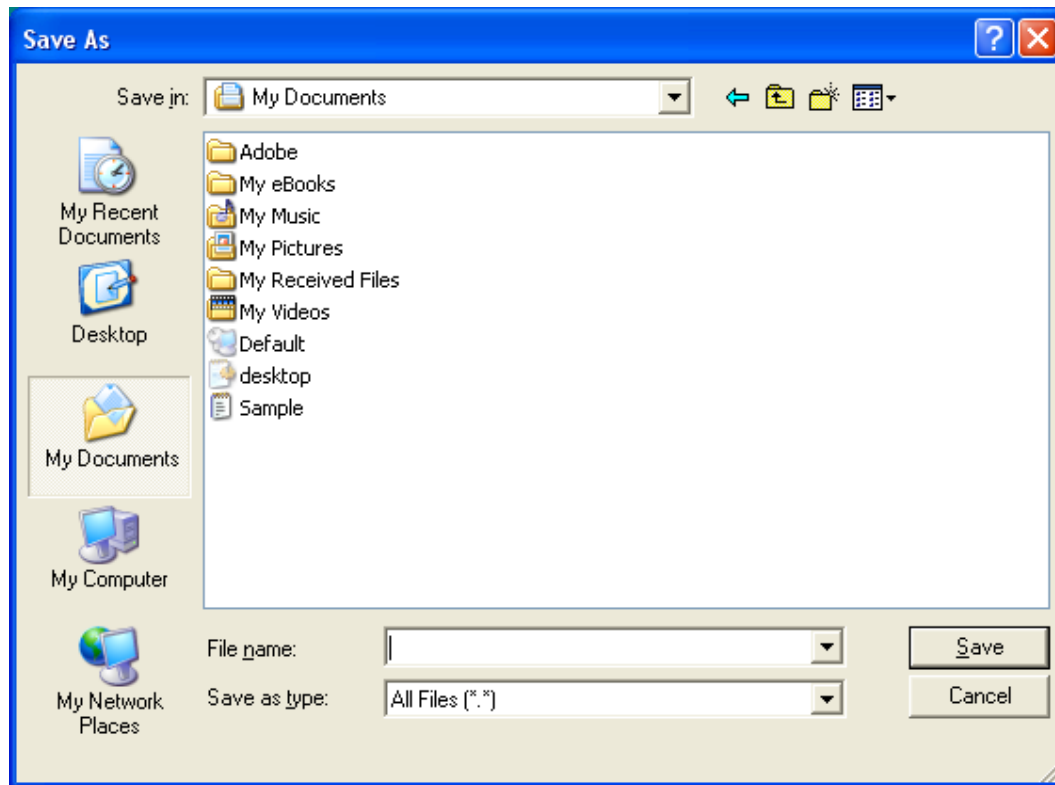
Main software screen




Data Record

Save to H.D.D.

Click  button. The dialog box shown below will appear



Input a file name and then click  to begin saving data to the file just named.

Click  to stop recording

Save to EEPROM

Click the blue key labeled “START” on the meter to proceed.

1. Automatically Record


Keep pressing the blue key labeled “START” on the meter till “M” symbol starts flashing on the LCD. Press the blue key (momentarily) labeled STOP to stop recording.

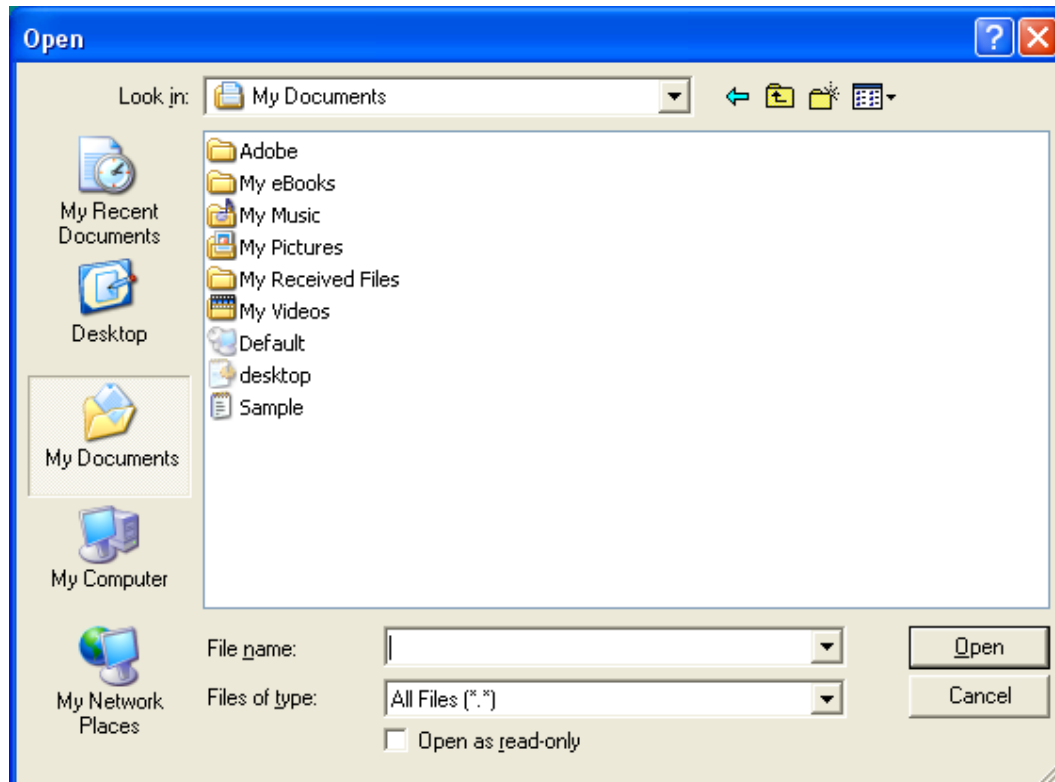
2. Manually Record

Press the blue key (momentarily) labeled “MEMORY” on the meter to store one reading. The “M” symbol will flash once.

Download data


From H.D.D.

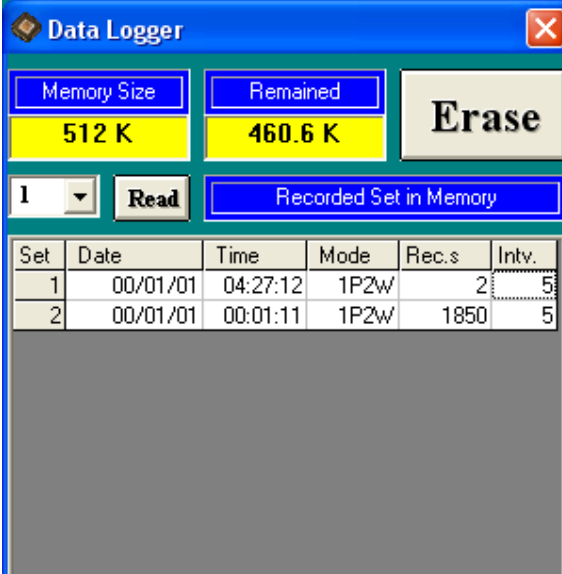
Click  button. The Open window, shown below, appears.



Input the file that was selected earlier and then click  to read.

From EEPROM

Click  button. The Data Logger window, shown below, will open.

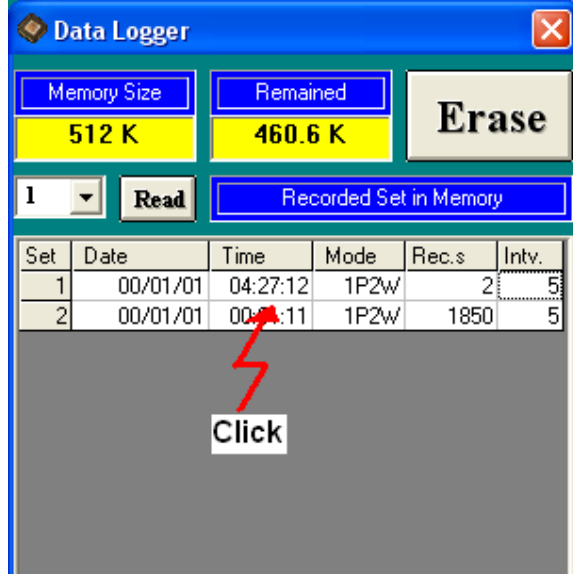


Data Logger

Memory Size: 512 K Remained: 460.6 K **Erase**

1 **Read** Recorded Set in Memory

| Set | Date | Time | Mode | Rec.s | Intv. |
|-----|----------|----------|------|-------|-------|
| 1 | 00/01/01 | 04:27:12 | 1P2W | 2 | 5 |
| 2 | 00/01/01 | 00:01:11 | 1P2W | 1850 | 5 |



Data Logger

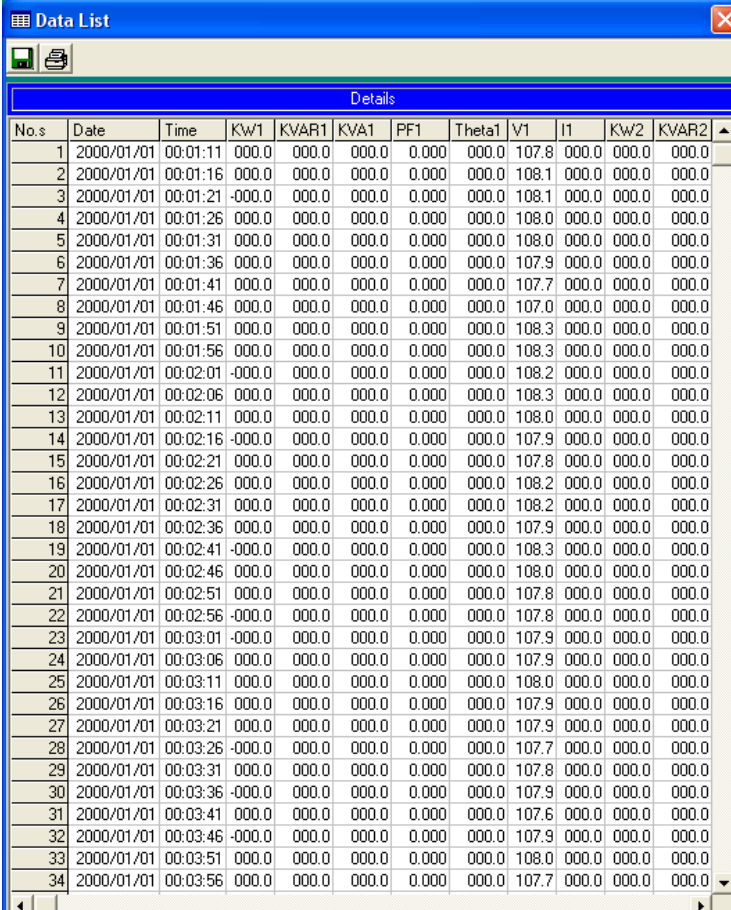
Memory Size: 512 K Remained: 460.6 K **Erase**

1 **Read** Recorded Set in Memory

| Set | Date | Time | Mode | Rec.s | Intv. |
|-----|----------|----------|------|-------|-------|
| 1 | 00/01/01 | 04:27:12 | 1P2W | 2 | 5 |
| 2 | 00/01/01 | 00:01:11 | 1P2W | 1850 | 5 |

Click

Click on a SET number to view the set's details. For example, in the window above, there are 2 sets from which to choose. The list below is an example of an opened set.



Data List

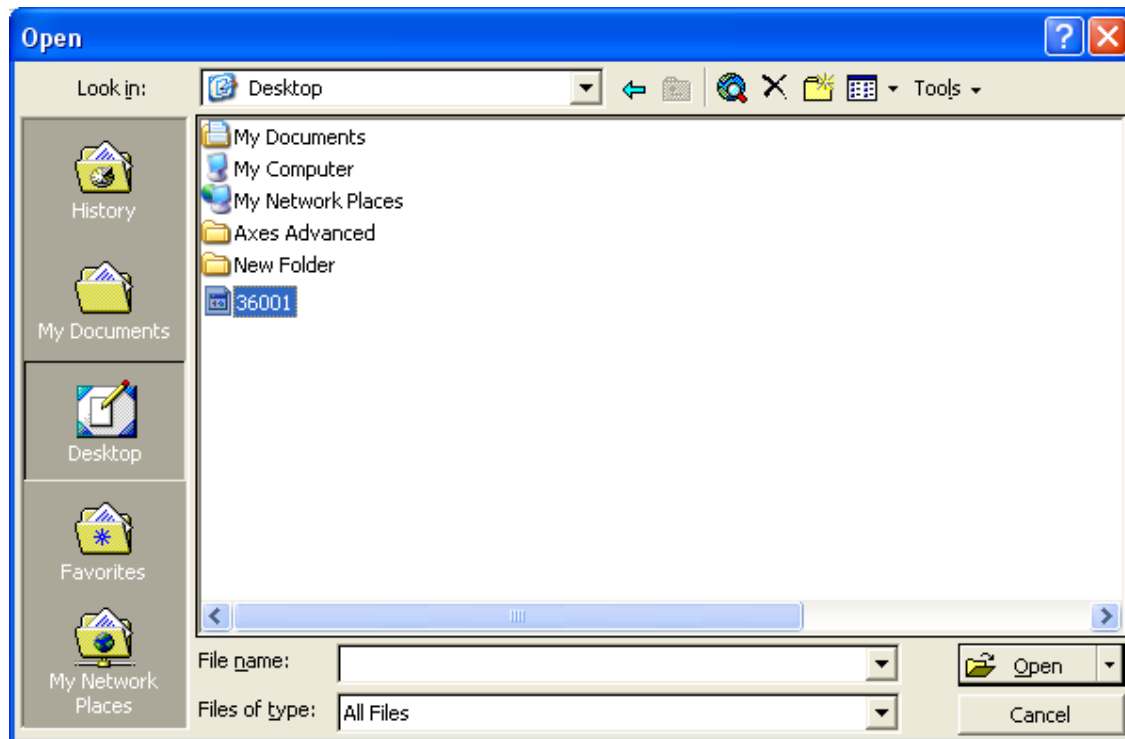
Details

| No.s | Date | Time | KW1 | KVAR1 | KVA1 | PF1 | Theta1 | V1 | I1 | KW2 | KVAR2 |
|------|------------|----------|--------|-------|-------|-------|--------|-------|-------|-------|-------|
| 1 | 2000/01/01 | 00:01:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 |
| 2 | 2000/01/01 | 00:01:16 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.1 | 000.0 | 000.0 | 000.0 |
| 3 | 2000/01/01 | 00:01:21 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.1 | 000.0 | 000.0 | 000.0 |
| 4 | 2000/01/01 | 00:01:26 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 5 | 2000/01/01 | 00:01:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 6 | 2000/01/01 | 00:01:36 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 7 | 2000/01/01 | 00:01:41 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 |
| 8 | 2000/01/01 | 00:01:46 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.0 | 000.0 | 000.0 | 000.0 |
| 9 | 2000/01/01 | 00:01:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 |
| 10 | 2000/01/01 | 00:01:56 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 |
| 11 | 2000/01/01 | 00:02:01 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 |
| 12 | 2000/01/01 | 00:02:06 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 |
| 13 | 2000/01/01 | 00:02:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 14 | 2000/01/01 | 00:02:16 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 15 | 2000/01/01 | 00:02:21 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 |
| 16 | 2000/01/01 | 00:02:26 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 |
| 17 | 2000/01/01 | 00:02:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 |
| 18 | 2000/01/01 | 00:02:36 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 19 | 2000/01/01 | 00:02:41 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 |
| 20 | 2000/01/01 | 00:02:46 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 21 | 2000/01/01 | 00:02:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 |
| 22 | 2000/01/01 | 00:02:56 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 |
| 23 | 2000/01/01 | 00:03:01 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 24 | 2000/01/01 | 00:03:06 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 25 | 2000/01/01 | 00:03:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 26 | 2000/01/01 | 00:03:16 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 27 | 2000/01/01 | 00:03:21 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 28 | 2000/01/01 | 00:03:26 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 |
| 29 | 2000/01/01 | 00:03:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 |
| 30 | 2000/01/01 | 00:03:36 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 31 | 2000/01/01 | 00:03:41 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.6 | 000.0 | 000.0 | 000.0 |
| 32 | 2000/01/01 | 00:03:46 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 |
| 33 | 2000/01/01 | 00:03:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 |
| 34 | 2000/01/01 | 00:03:56 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 |

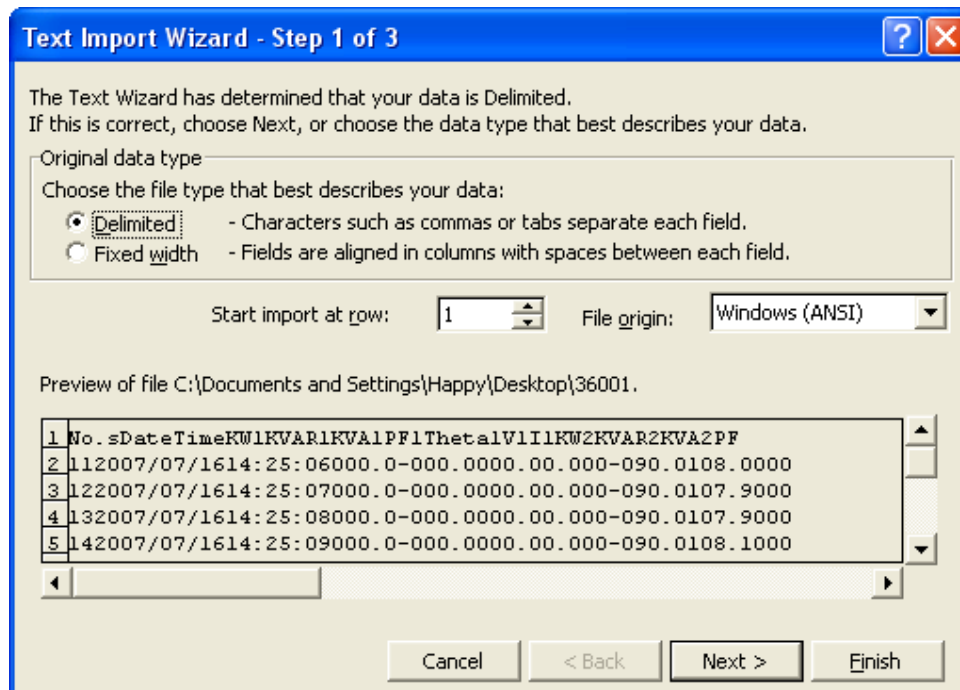
Data Convert

Apply for Excel

Open Microsoft Excel, find the file saved , for example 36001.dat.



The "Text Import Wizard" then appears. Follow on-screen instructions.



Click 

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☒ Tab
 ☐ Semicolon
 ☐ Comma
 ☐ Treat consecutive delimiters as one

☐ Space
 ☐ Other:

Text qualifier:

Data preview

| No.s | Date | Time | KW1 | KVAR1 | KVA1 | PF1 | Thetal | V1 | I1 |
|------|------------|----------|-------|--------|-------|-------|--------|-------|----|
| 11 | 2007/07/16 | 14:25:06 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 108.0 | 00 |
| 12 | 2007/07/16 | 14:25:07 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 107.9 | 00 |
| 13 | 2007/07/16 | 14:25:08 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 107.9 | 00 |
| 14 | 2007/07/16 | 14:25:09 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 108.1 | 00 |

Click

Text Import Wizard - Step 3 of 3

This screen lets you select each column and set the Data Format.

'General' converts numeric values to numbers, date values to dates, and all remaining values to text.

Column data format

☒ General
 ☐ Text
 ☐ Date:
☐ Do not import column (skip)


Data preview

| No.s | Date | Time | KW1 | KVAR1 | KVA1 | PF1 | Thetal | V1 | I1 |
|------|------------|----------|-------|--------|-------|-------|--------|-------|----|
| 11 | 2007/07/16 | 14:25:06 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 108.0 | 00 |
| 12 | 2007/07/16 | 14:25:07 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 107.9 | 00 |
| 13 | 2007/07/16 | 14:25:08 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 107.9 | 00 |
| 14 | 2007/07/16 | 14:25:09 | 000.0 | -000.0 | 000.0 | 0.000 | -090.0 | 108.1 | 00 |

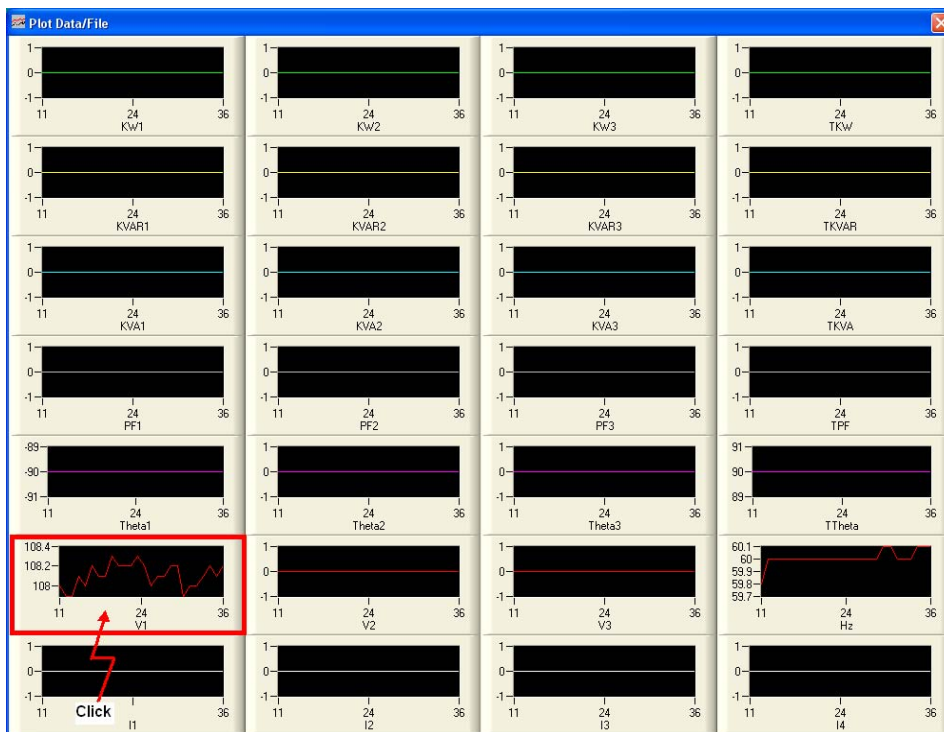
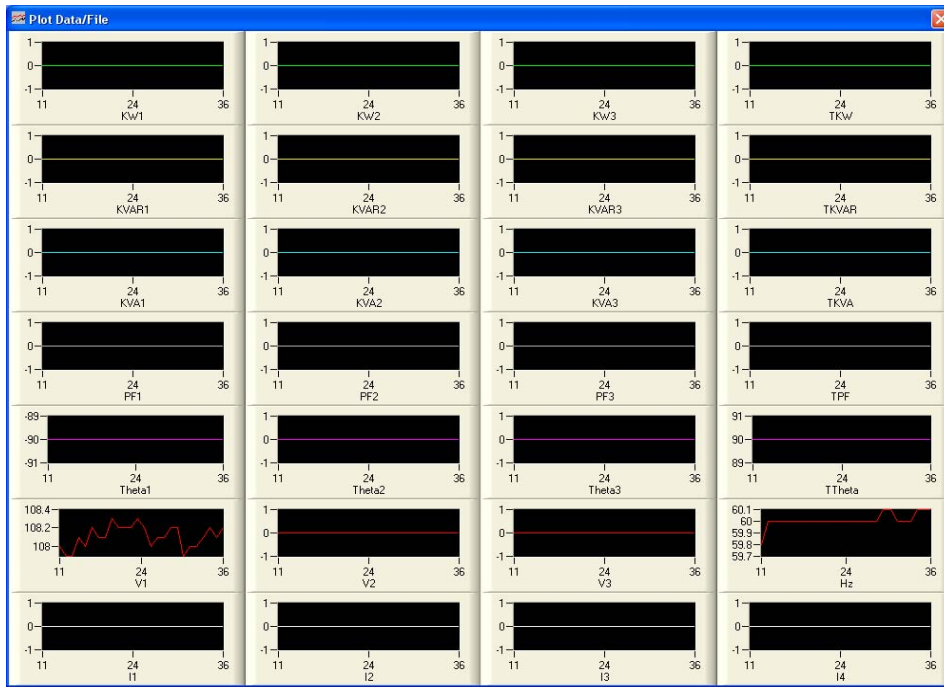
Click to complete.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD | AE | |
|----|------|-----------|----------|-----|-------|------|-----|--------|-----|----|-----|-------|------|-----|--------|----|----|-----|-------|------|-----|--------|----|----|----|------|-----|-------|------|-----|--------|----|
| 1 | No.s | Date | Time | KW1 | KVAR1 | KVA1 | PF1 | Theta1 | V1 | I1 | KW2 | KVAR2 | KVA2 | PF2 | Theta2 | V2 | I2 | KW3 | KVAR3 | KVA3 | PF3 | Theta3 | V3 | I3 | Hz | I4 | TKW | TKVAR | TKVA | TPF | TTheta | |
| 2 | 11 | 7/16/2007 | 14:25:06 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59.8 | 0 | 0 | 0 | 0 | 0 | 90 |
| 3 | 12 | 7/16/2007 | 14:25:07 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 4 | 13 | 7/16/2007 | 14:25:08 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 5 | 14 | 7/16/2007 | 14:25:09 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 6 | 15 | 7/16/2007 | 14:25:10 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 7 | 16 | 7/16/2007 | 14:25:11 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 8 | 17 | 7/16/2007 | 14:25:12 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 9 | 18 | 7/16/2007 | 14:25:13 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 10 | 19 | 7/16/2007 | 14:25:14 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 11 | 20 | 7/16/2007 | 14:25:15 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |
| 12 | 21 | 7/16/2007 | 14:25:16 | 0 | 0 | 0 | 0 | -90 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 90 |

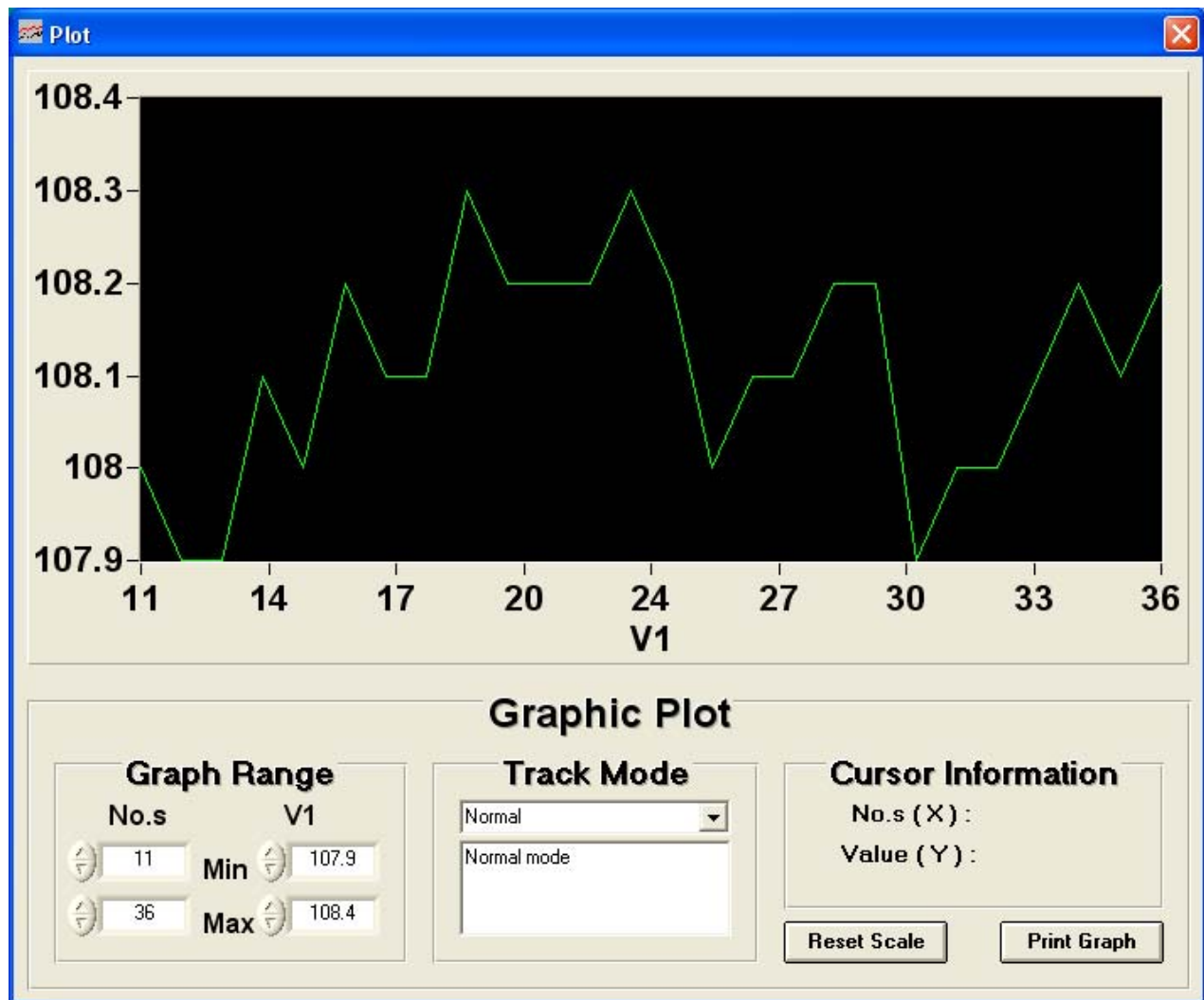
Apply for Graph

Open a saved file in the software program and then click  .

| sample | | | | | | | | | | | | |
|--------|------------|----------|--------|-------|-------|-------|--------|-------|-------|-------|-------|--|
| No.s | Date | Time | KW1 | KVAR1 | KVA1 | PF1 | Theta1 | V1 | I1 | KW2 | KVAR2 | |
| 1 | 2000/01/01 | 00:01:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 | |
| 2 | 2000/01/01 | 00:01:16 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.1 | 000.0 | 000.0 | 000.0 | |
| 3 | 2000/01/01 | 00:01:21 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.1 | 000.0 | 000.0 | 000.0 | |
| 4 | 2000/01/01 | 00:01:26 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 5 | 2000/01/01 | 00:01:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 6 | 2000/01/01 | 00:01:36 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 7 | 2000/01/01 | 00:01:41 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 | |
| 8 | 2000/01/01 | 00:01:46 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.0 | 000.0 | 000.0 | 000.0 | |
| 9 | 2000/01/01 | 00:01:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 | |
| 10 | 2000/01/01 | 00:01:56 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 | |
| 11 | 2000/01/01 | 00:02:01 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 | |
| 12 | 2000/01/01 | 00:02:06 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 | |
| 13 | 2000/01/01 | 00:02:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 14 | 2000/01/01 | 00:02:16 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 15 | 2000/01/01 | 00:02:21 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 | |
| 16 | 2000/01/01 | 00:02:26 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 | |
| 17 | 2000/01/01 | 00:02:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.2 | 000.0 | 000.0 | 000.0 | |
| 18 | 2000/01/01 | 00:02:36 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 19 | 2000/01/01 | 00:02:41 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.3 | 000.0 | 000.0 | 000.0 | |
| 20 | 2000/01/01 | 00:02:46 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 21 | 2000/01/01 | 00:02:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 | |
| 22 | 2000/01/01 | 00:02:56 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 | |
| 23 | 2000/01/01 | 00:03:01 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 24 | 2000/01/01 | 00:03:06 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 25 | 2000/01/01 | 00:03:11 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 26 | 2000/01/01 | 00:03:16 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 27 | 2000/01/01 | 00:03:21 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 28 | 2000/01/01 | 00:03:26 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 | |
| 29 | 2000/01/01 | 00:03:31 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.8 | 000.0 | 000.0 | 000.0 | |
| 30 | 2000/01/01 | 00:03:36 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 31 | 2000/01/01 | 00:03:41 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.6 | 000.0 | 000.0 | 000.0 | |
| 32 | 2000/01/01 | 00:03:46 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |
| 33 | 2000/01/01 | 00:03:51 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 108.0 | 000.0 | 000.0 | 000.0 | |
| 34 | 2000/01/01 | 00:03:56 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 | |
| 35 | 2000/01/01 | 00:04:01 | 000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.7 | 000.0 | 000.0 | 000.0 | |
| 36 | 2000/01/01 | 00:04:06 | -000.0 | 000.0 | 000.0 | 0.000 | 000.0 | 107.9 | 000.0 | 000.0 | 000.0 | |




For more details, choose an item and click to confirm.

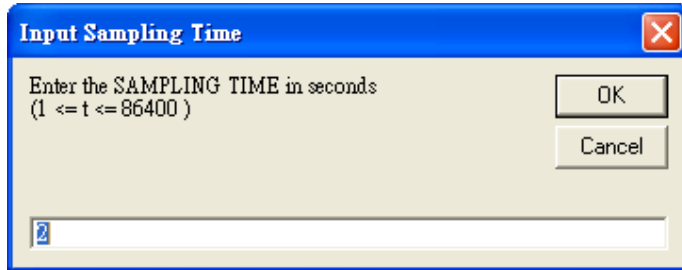


■ Sampling Time

PC Sampling Rate:


(rate at which the PC collects readings while connected to the meter)

Click  on the **Menu Bar**.




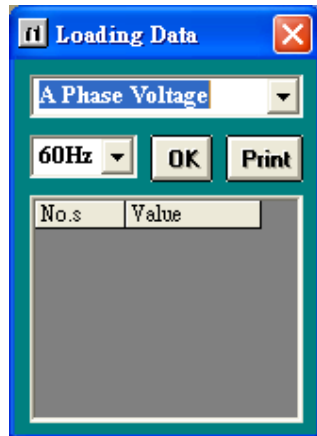
In the **Input Sampling Time** dialog box, input a sampling time and then click "OK" button to confirm.

Real Time Clock

Click  to set Real Time Clock (Meter Time) to system Time

Harmonic

Click  button on the menu bar. The Loading Data window, shown below, will open.



Make correct settings and then click “OK” button.

