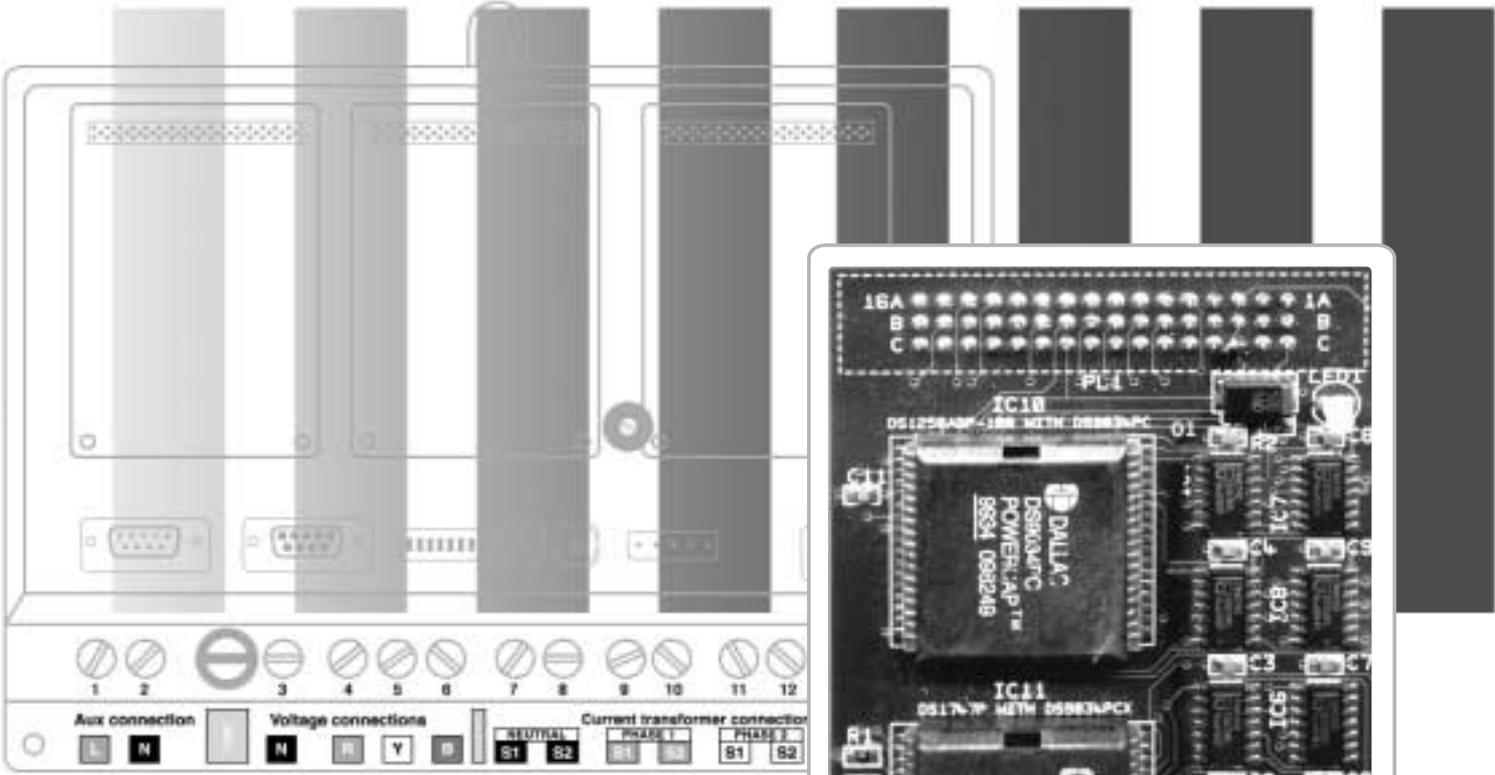
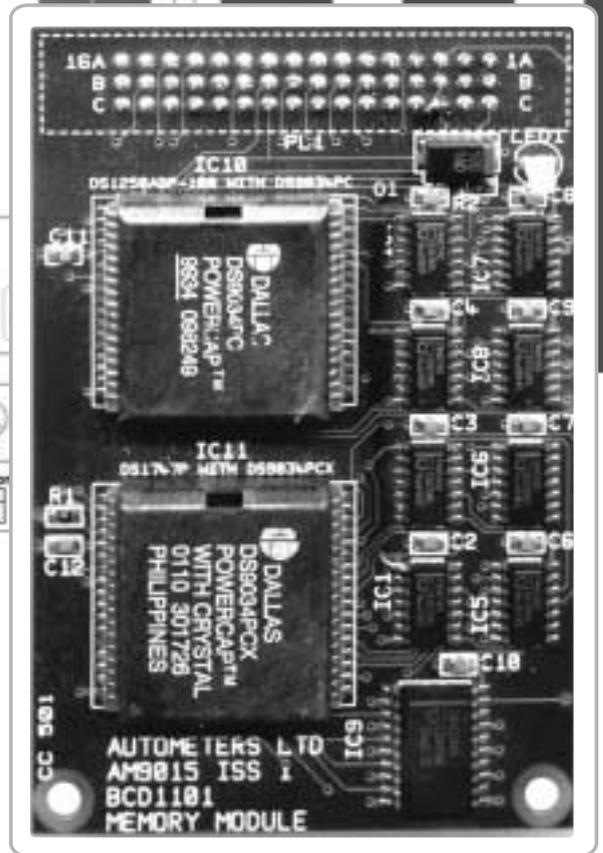


# AUTOMETERS



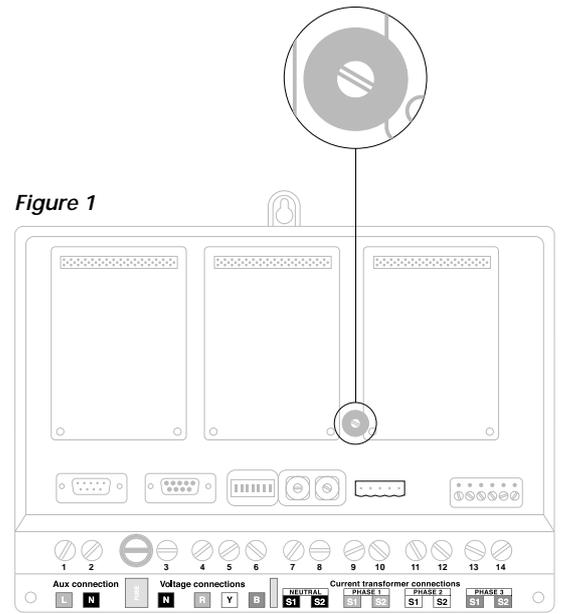
memory  
card installation



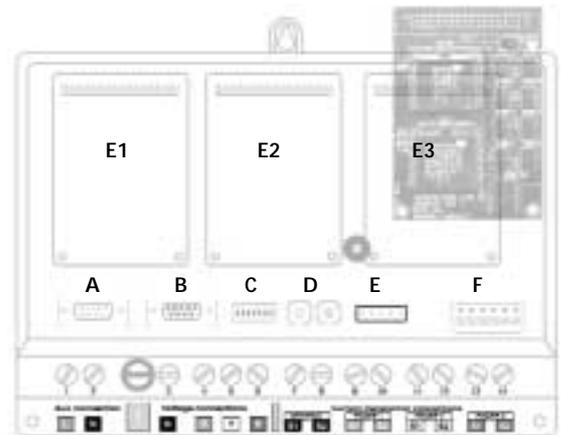
# memory card installation

1. Power down the meter prior to installation of card
2. Remove the screen interconnecting lead from the display socket on the base unit.
3. If fitted, remove the RS485 connecting block (E)  
*See Figure 1*
4. Remove the base unit clear cover by removing the retaining screw as shown.
5. Remove the cover by lifting from the bottom and sliding the cover upwards.
6. Carefully remove the card from its protective cover or bag and handle by gripping the outer edges only. Do not touch any of the electrical connections on the face or rear of the circuit board.

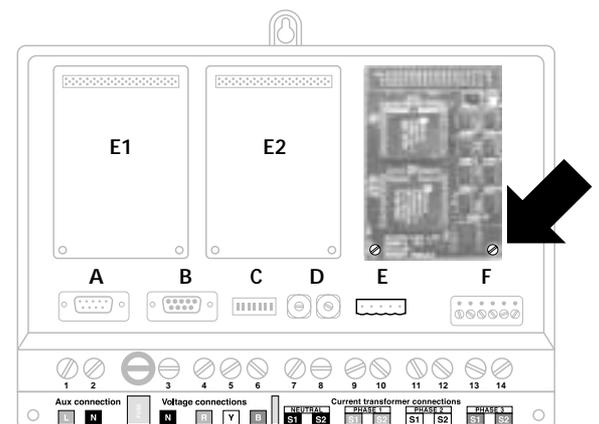
**Figure 1**



7. Insert the memory card into slot E3 ensuring a level contact with the pins.



8. Insert the two retaining screws provided to retain the card into the holes shown (avoid over tightening).
9. Replace the base unit clear cover and re apply the retaining screw (avoid over tightening).
10. Replace the display lead into the display socket.
11. If previously fitted replace the RS485 connecting block
12. Re-apply the power to the meter.



# viewing historical log analysis

**Step 1** Press DATE to enter a previous stop date.

**Step 2** Press EDIT to change the date and time.

## **please read screen carefully**

You are about to enter a multiple field editing screen. To help you move around this screen there are a set of editing keys which have the following operation.

**EXIT** Leaves the editing mode

**LAST** Move cursor to previous field  
(does not erase present field)

**NEXT** Move cursor to next field  
(does not erase present field)

**BACK** Move cursor back one space

**ENTER** Terminate field and erase  
all other characters in field

If you edit a field always use ENTER key  
Press any key to continue.

**Step 4** Press EXIT to save data in memory and to view the setting you have entered.

**Step 5** Press BACK to return to the Log Screen  
Display to view 100 sample from the new stop date you have entered

**Step 6** Use the LEFT OR RIGHT key to move the dotted vertical cursor to another date and time of analysis within the new period you have set

**Step 7** To return to the present date and time press the DATE key once again then the TIME key to update the screen.

**Step 8** Press BACK to return to the log screen.

**Step 9** After five minutes of non use the screen will revert back to the Main screen. Alternatively, press the BACK key twice and then the MAIN key.

**Step 3** Key in the Date and Time (Time in 24Hr's) required by pressing the numbers from the keypad located behind the door on the right.

**A** Key in the day. Press ENTER

**B** Key in the Month. Press ENTER

**C** Key in the Year. Press ENTER

**D** Key in the Hour. Press ENTER

**E** Key in the Minutes. Press ENTER

**F** Key in the seconds. Press ENTER

# on screen programming of the memory card

**Step 1** Press SETUP

**Step 2** Press MORE

## setting the date and time

**Step 3** Press TIME to view the date and time screen.

**Step 4** Press EDIT to view the password screen.

**Step 5** Key in the password by pressing the numbers from the keypad located behind the door on the right and press ENTER (password is the serial number on the front of the base unit)

*See example below*



**Step 6** Key in the Date and Time (Time in 24Hr's) required by pressing the numbers from the keypad located behind the door on the right.

### **please read screen carefully**

You are about to enter a multiple field editing screen. To help you move around this screen there are a set of editing keys which have the following operation.

- EXIT** Leaves the editing mode
- LAST** Move cursor to previous field (does not erase present field)
- NEXT** Move cursor to next field (does not erase present field)
- BACK** Move cursor back one space
- ENTER** Terminate field and erase all other characters in field

If you edit a field always use ENTER key.

Press any key to continue.

- A** Key in the day. Press ENTER
- B** Key in the Month. Press ENTER
- C** Key in the Year. Press ENTER
- D** Key in the Hour. Press ENTER
- E** Key in the Minutes. Press ENTER
- F** Key in the seconds. Press ENTER

**Step 7** Press EXIT to save data in memory and to view the setting you have entered.

**Step 8** Press BACK to view the System Details.

**Step 9** Press MAIN to return to the Main menu.

# setting the logging/interval

- Step 1** Press SETUP to view the System Screen
- Step 2** Press RATIOS to view the System Set-Up Parameter screen and edit the Log Interval time.
- Step 3** Press EDIT to view the password screen.
- Step 4** Key in the password by pressing the numbers from the keypad located behind the door on the right and press ENTER (password is the serial number on the front of the base unit)  
*See example below*



**please read screen carefully**

You are about to enter a multiple field editing screen. To help you move around this screen there are a set of editing keys which have the following operation.

- EXIT** Leaves the editing mode
- LAST** Move cursor to previous field (does not erase present field)
- NEXT** Move cursor to next field (does not erase present field)
- BACK** Move cursor back one space
- ENTER** Terminate field and erase all other characters in field

If you edit a field always use ENTER key.  
Press any key to continue.

- Step 5** The Edit System Set-Up Parameters screen is displayed. Press LAST to go to the Log Interval time setting.
- Step 6** Key in the Log Interval time in minutes (minimum Log time 2 minutes) by pressing the numbers from the keypad located behind the door on the right and press ENTER.
- Step 7** Press EXIT to save data in memory and to view the setting you have entered.
- Step 8** Press MAIN to return to the Main screen.

# viewing the log data

**Step 1** Press SETUP to view the System Details screen

**Step 2** Press MORE

**Step 3** Press LOGS

The Screen will say:

1. Setting log time to real time 2. Data saved in Memory 3. Log Options

**Step 4** Press SELECT to key in the Log option number listed on the screen.

**Step 5** Key in the Log option number by pressing the numbers from the keypad located behind the door on the right and press ENTER. If the log option number is not known at this point, press the ENTER key to go back to the Log Options screen.

**Please read carefully**

You are about to enter the log screen for your selected parameter. All dates and times are shown as follows:-

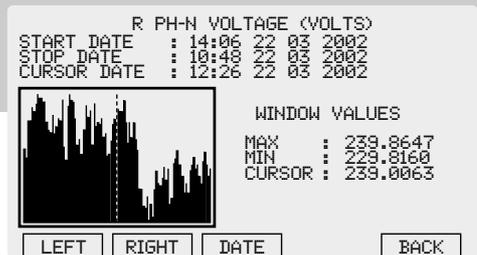
Hours Minutes day month year

The window will show the last 100 logs from the present time. The left/right keys move the window cursor from its mid point to another point within the window.

Limits and values are shown right of the window, time stamps are shown above. (date) enable you to set the log time (edit), or to set the log time to the present time.

(Time)

\*\*\*\*\* press any key to continue\*\*\*\*\*



**Step 6** The log screen is displayed showing graphical analysis.

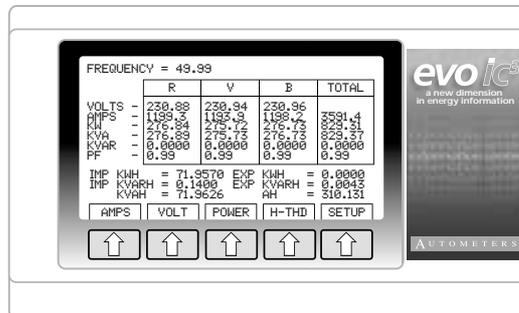
LOG START DATE & TIME =	The beginning of the 100 samples you selected.
LOG STOP DATE & TIME =	The window contains 100 samples going back in time from the stop date.
CURSOR DATE =	The time and date of the position of the dotted vertical cursor on the graph.
<b>Window values</b>	
Max =	The maximum value of the last 100 samples from the stop date.
Min =	The minimum value of the last 100 samples from the stop date.
CURSER =	The value of the position of the dotted vertical cursor on the graph.

**Step 7** Use the LEFT OR RIGHT key to move the dotted vertical cursor to your required time and date of analysis

# resetting of logging data

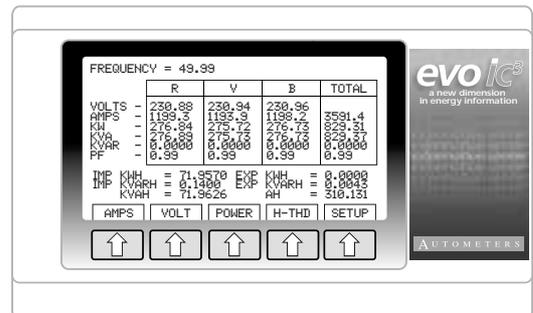
When the memory card has been installed and the power has been applied, the meter will run through a set up routine and default to the main screen.

step 1



Ensure the screen is showing main as shown in diagram

step 2



Press **SET UP**  
(bottom right of screen)

step 3

Press **MORE**

step 4

Press **RESET**

step 5

Press **LOGS**

The display will show "Log Reset Passed"

step 6

Press **MAIN**

To return to the Main menu

**AUTOMETERS**

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