ARUN MICROELECTRONICS Ltd.

APPLICATION NOTE No 22, April 1998

PASSWORD PROTECTION OF TRIPS ON PGC2 AND PGC2D

When the instrument is running the assignment of the trips and the trip pressures can be reviewed at any time except during degas or when a fault message is displayed. Instruments fitted with software version 1.09 onward have the facility to protect trip settings with a password number.

Pressing the "Trips" switch causes the main display to show "PW ???", pressing 'Enter' will allow you to view and modify the trips without altering the default password. This can be done indefinitely and you never need to alter the password. The danger is that someone else will (possibly without realising they have done so) and you will subsequently not be able to alter the trip pressures. For this reason it is recommended that you alter and record the password number.

Altering the Password number.

If you press 'INC' or 'DEC' when "PW ???" is displayed the display will show a number, which can be further modified by pressing 'INC' or 'DEC'. This is the password number which will be confirmed and remembered by the instrument when 'Trips' is pressed again. **YOU MUST RECORD THE SELECTED NUMBER.** When you are subsequently presented with the display "PW ???" you must set the correct password number with the INC and DEC switches and confirm it with the 'Trips' switch. If you do not enter the correct number you will not be allowed to modify the trip pressures.

Restoring the default Password number.

If a password was set and you do not know the number, the default condition may be restored by the following procedure:

Remove the mains lead and remove the cover of the instrument.

On the larger printed circuit board locate LK4 and LKPARK. LK4 is between the three largest integrated circuits, LKPARK is near the left edge.

Remove any link from LKPARK and put it on the right hand pair of pins on LK4. Replace the cover.

Connect the mains and switch on. The instrument will display the message "TRIPS LOST". Switch off.

Remove the mains lead and the cover.

Remove the link from the right hand pair of pins on LK4 and return it to LKPARK.

Replace the cover.

The password and all trip levels will be restored to their default values.