Printed circuit Board.

1. Assemble PCP

2. Solder components
add two short wires in place of sensor.

3. PCB Divox 1 require shorting link instead of R7
Do Not add Z1 leave space empty.

4. Connect Battery and LCD and test.
a) On/Off
b) Digits appear
c) Zero can be set with pot P1

5. Put blank 40 way socket into 40 way socket on PCB and spray with ....and leave to dry.
Use a well ventilated area and do not breath in fumes.
Follow instructions on the can.
Do not spray onto the case or the LCD window in the case.

Coiled Cord.

1. on dual plugged cords cut cord in centre of curly portion

2.Remove outer yellow insulation for about 1.5 cms
To do this
a) split the end with a scalpel

b) fix the two wires in a vice and tension the curls straight.

c) Use the scalpel to free the inner wires from the outer sheath. Do not damage the insulation on the inner wires.

d) remove 2-3mm of insulation from each inner wire

e) tin carefully so as not to melt the insulation further.

3. Drill the end plate using the former

a) ensure the large face is to the outside
b) the label will be readable when the instrument is tilted
c) use three drills to gain the final size

4. Add the Label ensuring it is central and without bubbles

5. Piece the label over the centre of the hole

6. Cut across the hole as many times as is possible then gently cut around the hole leaving a clean round aperture.

7. Insert the grommet from the label side ensuring it protrudes equally all round at the back

Final asssembly

1.Remove short wires from sensor holes.

2.Wire in sensor

3 secure coiled cable with tie wrap. ensure tie wrap is around the yellow outer sheath.

4. Connect battery and test function
a) ON/Off
b) Digits
c) using sensor simulator check calibration

D) Sealing case

1.Fit foam to rear cover
a) Outside lengths between screws
b) Inner length about 1cm short at each end.
This allows the areas over the batter cover ad around the grommet to be filled with Si rubber.

2. fit the battery cover and tape temporarily into position

3. a) put a layer of Si rubber around the groove at the end of the base and fill groove.
b) Fill the hole where the gommet will lie
c) fill the gap around the foam
d) Fill the area over the tongue of the battery cover
and the battery lead channel

d Fill around the grommet

e) Lay the battery wires under the PCB around the screw hole and out of the channel

f) Place the end into the groove and fill around the grommet

g) Locate the PCB and fix with the two screws.

h) Fill the battery lead channel and place the battery wires in the battery holder area. Check that a battery can be fitted.

4. Remove surplus Si Rubber.

5 check the instrument still works.

6 Leave a battery connected until the si rubber is dry.

7 Check instrument still functions and set null P1 to read 00.0 no + or - visible.

Top Cover

1.Using a small syringe with si rubber gfill in the groove all roun the top cover

2. Fill in all round the LCD and main circuit board.
3. When finished the board should be completely covered.

4. Add the LCD window and bezel
Clean all sides of both windows carefully.

5.Fix top to bottom ensuring plenty of si rubber around the plastic clips.

6. ensure the windows are clean.

7 Check the internal LCD decals line up.

8. Fix screw

9. remove surplus si rubber

a) from outside the case
b) the labels
c) The battery wires
d) The battery cover tongue.
e) The coiled cable

10 Final test.

11 Add final labels and serial number.