# Setting the Burner Ignition Position – FlexiBurn 780
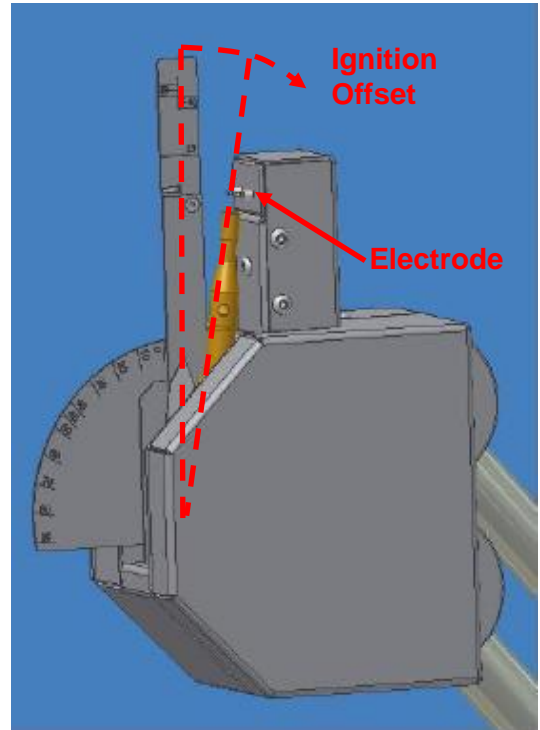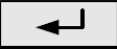
**WARNING:** *Any maintenance work undertaken on a James Heal instrument must be done so by a trained and competent person. Where electrical work is detailed, this should only be completed by a qualified engineer. James Heal is not responsible for damage or injury arising from work carried out by any person not qualified to do so. If in doubt, please contact James Heal or your local James Heal Agent.*
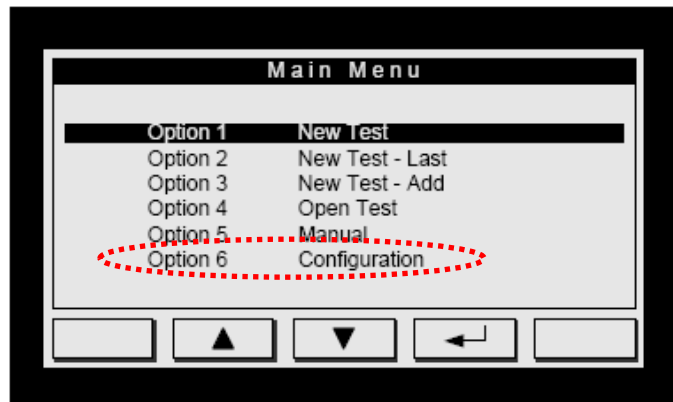
The ignition offset is a measure of how far from the vertical the burner has to move back so that its tip is under the ignition electrodes.

Increasing the offset moves the burner ignition position further back away from the rig / vertical.
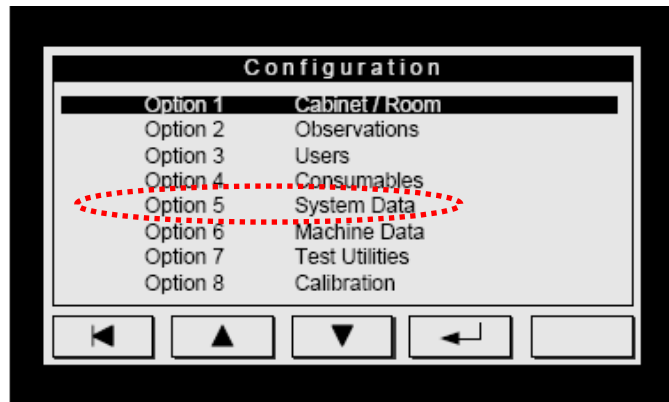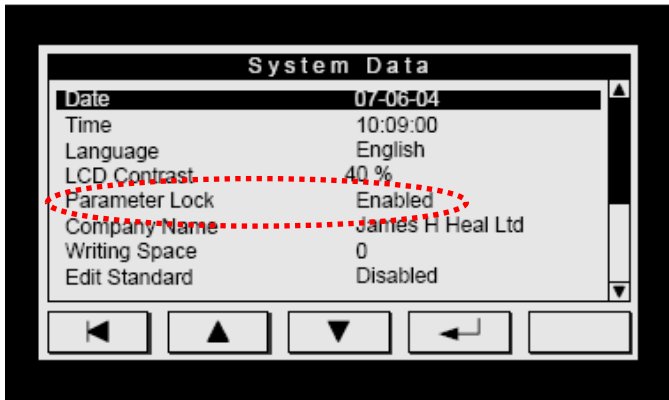


1) Power up the Flexiburn.

From the main menu use the up, ▲

and down key ▼ so that option 6

configuration is highlighted, then press

the enter key, ⏎ to enter the

configuration menu.



| | Main Menu |
|---|---|
| Option 1 | New Test |
| Option 2 | New Test - Last |
| Option 3 | New Test - Add |
| Option 4 | Open Test |
| Option 5 | Manual |
| Option 6 | Configuration |

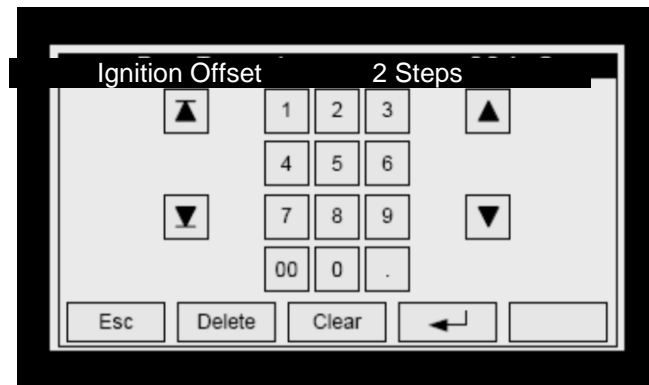2) When in the configuration menu use the same procedure as above to select and go to "Option 5   System Data".

**Configuration**

| Option 1 | Cabinet / Room |
| Option 2 | Observations |
| Option 3 | Users |
| Option 4 | Consumables |
| Option 5 | System Data |
| Option 6 | Machine Data |
| Option 7 | Test Utilities |
| Option 8 | Calibration |

3) When in the system data screen select "Parameter Lock".
Use the enter key to ensure that this is set to "Disabled"

**System Data**

| Date | 07-06-04 |
| Time | 10:09:00 |
| Language | English |
| LCD Contrast | 40 % |
| Parameter Lock | Enabled |
| Company Name | James H Heal Ltd |
| Writing Space | 0 |
| Edit Standard | Disabled |

4) Scroll further down the System data menu until "Ignition Offset" is highlighted.

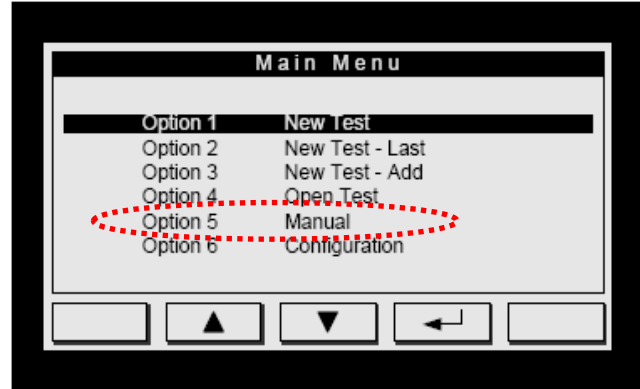Press enter and you should now see the edit screen shown opposite.

If the burner is not moving far enough towards the ignition point increase the number of steps using the Up/down arrows then press enter to return to the System Menu

Ignition Offset          2 Steps

| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |
| 00 | 0 | . |

Esc   Delete   Clear

5) Exit the "System Menu ", then the
"Configuration Menu" using the back key,

| ◀ |

From the main menu select
"Option 5    Manual".

```
            Main Menu

Option 1      New Test
Option 2      New Test - Last
Option 3      New Test - Add
Option 4      Open Test
Option 5      Manual
Option 6      Configuration


        ▲      ▼      ↵
```

6) Repeatedly use the "Jog" and "Zero" keys
to move the burner and check that on its return the
burner reaches the correct position for ignition.

If not return to step 1 and adjust
the Ignition Offset again.

```
              Manual

  --        6              
            5          OK
  OK    3          Com Butane
                     Gas 1
  OK    2             OFF
            4
  OK    1           --
                --   Door Open

  ◀    Lamp   Jog   Fan   Zero
```