

Photovac MicroFID Cheat Sheet

Calibration Procedure:

- 1) Turn unit on and open Hydrogen valve
- 2) **Press Enter** key – meter displays Detector? Start flame
- 3) **Press Enter** key - (unit is now attempting to start flame)
- 4) Flame is now started
- 5) When calibrating it is important to know which Range of operation you will need to use. Low Range is from: 0.5ppm – 2000ppm / High Range is from: 10ppm – 50,000ppm.
- 6) Press the **Cal key**
- 7) Make sure unit is on Cal memory 1 – then **press Enter**
- 8) Make sure the response factor is 1.0 – then **press Enter**
- 9) Select your Range Operation using the Up and Down arrows and **press Enter**
- 10) Introduce Zero Gas (ambient air will work also, as long as you are in a clean environment)
- 11) Enter your Span/Gas Concentration – (use 100ppm Methane for Low Range and 10,000ppm Methane for High Range) – then **press Enter**
- 12) Introduce the Gas
- 13) Unit is now calibrated
- 14) **** You cannot switch the Range of Operation without calibrating first****

Cold Start Procedure:

**** Performing this routine will erase the logged memory and reset the date and time****

- 1) Turn of the FID and press the down arrow located on the Setup key 2 times
- 2) The display will read “no flame needed”
- 3) Press Enter
- 4) Press the tutor key and hold down till a “Code” menu appears
- 5) Enter 1 – then press Enter
- 6) Press Enter again and the machine will revert to the “version” screen

At this point the machines EPROM will be cleared and the unit will reset itself to lighting detector.

****This procedure works well with an FID that is caught in the “purging system” cycle****