

ENI MWH-5 Tuning Procedure.

- CAL <enter>
- If permission denied; KEY 1 2 3 4 <enter>
- CAL <enter>
- Select 1 (AMU type)
- 1 <enter> (MWH-5)
- Select 2 (capacitor type)
- 1 <enter> (air – air)
- Select 3 (set cap min – max limits)
- 1 <enter> (to start)
- Set C1 & C2 to minimum using the ‘Z’ and ‘X’ keys. (typically 7%) <enter> (when done)
- Set C1 & C2 to maximum using the ‘Q’ and ‘W’ keys. (typically 49%) <enter> (when done)
- <enter> (to exit)
- Wait for prompt. Hit the ‘Y’ key to permanently save.
- Select 4 (tune)
- Using PCPlus, or PC2000 set front end variables for power, gas flow, chamber pressure and time. Start the run.
- Adjust the caps to strike a plasma and continue adjustment to minimize the reflected power value. Adjust C2, then C1 (Z and X, C1 & C2 down. Q and W, C1 & C2 up respectively) repeating until the reflected power is as close to zero as possible. <enter> (when satisfied).
- <enter> (to exit).
- Phase and null values will be set by the controller. Wait for the prompt. Hit the ‘Y’ key to permanently save.
- STO 1 <enter> (stores the cap positions as pre-set 1).
- MOD <enter> (sets the cap park positions to pre-set 1).
- TAM <enter> (toggles to ‘auto-tune mode’).
- LOC <enter> (toggles to local control mode).
- Extinguish the plasma using PCPlus/PC 2000.

Note: Cap motor speeds etc can also be adjusted within the CAL feature. At the prompt make sure ‘Y’ is selected to permanently save any changes.