



Fox Delta

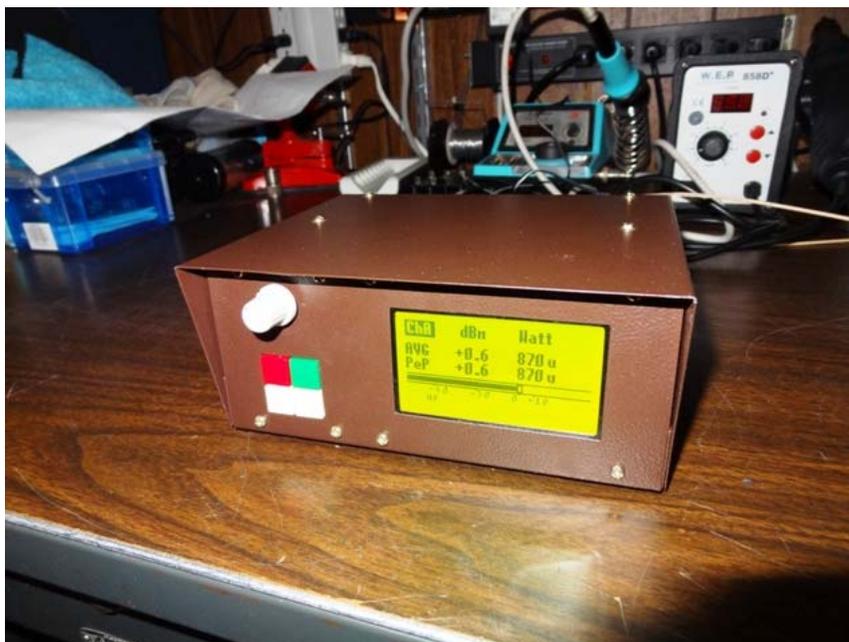
Amateur Radio Projects & Kits

FD – PM5 - 0815

PM5-0815: Dual Channel RF POWER Meter Board For GCPuX CPU

PM5 Calibration Procedure by [Frank / K7SFN](#)

FoxDelta PM5 Calibration Procedure



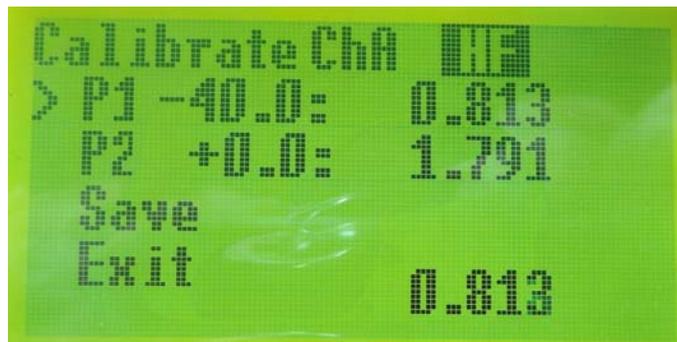
1. Connect GCPU to Power Source and Power the Unit "ON". (Button on Lower Rear Panel)
2. Press either "White" Button until the Display shows the ChA – dBm – Watt Screen.



9. Press the “Red” Button once to display the ChA Calibrate [HF] Range. You should now see “>” next to “P1”.



10. Apply a -40dBm signal at 10 MHz (or any HF Frequency) from an external signal generator or source.
11. You will notice a numerical reading at the bottom right-hand side of the display representing the -40dBm signal level.
12. Momentarily press the “Red” button to transfer this numerical value into the “P1” Register.



13. Momentarily press the “Green” button to move the “>” next to “P2” on the display
14. Increase the Signal Generator Level to 0 dBm.
15. You will notice the numerical reading at the bottom of the display has significantly increased in value, representing the 0 dBm signal level.

16. Momentarily press the “Red” button to transfer this numerical value into the “P2” Register.



17. Momentarily press the “Green” button to move the “>” next to “SAVE” on the display.

18. Press and Hold the “Red” Button to Save & exit the Calibration Mode.



19. Press and hold the “Red” Button to Save the calibration data, and return to the previous display screen (Calibrate Selection Screen). The “>” should be next to the “EXIT” selection.



20. Press and Hold the “Red” Button to exit the Calibration Mode and return to the Measurement Display screen.



21. You can step thru the screens using the two “White” Buttons. If you are still applying a 0 dBm signal from your signal generator, it should be displayed on the PM5 screen.

22. This completes calibration of the ChA HF range. You can individually calibrate the LF, CST and VHF ranges for ChA, as well as, all ranges for ChB.

23. Here are a couple of the other ChA Screen Displays.



24. This completes the Calibration for ChA HF. I used a 10 MHz Signal for this procedure. The Frequency Counter can display frequencies to approximately 52 MHz with a 0 dBm signal applied. Good Luck and Have fun with your new PM5 Power Meter.

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[FoxDelta PM5 Calibration](#)