

Instructions for installing an ovenized oscillator into the DG645.

Tools needed

1. Phillips head screwdriver
2. Soldering Iron

Make certain that the power is disconnected from the instrument.

1. Remove the top and bottom covers.
2. Insert the connector supplied into J7 on the component side (10 pin connector) and solder it. Make certain that the connector is flush with the pc board.
3. Install the oscillator into the connector and secure it to the chassis with the supplied screw.
4. Put the covers back on.
5. Using a felt pen write "4" in the option box on the rear panel.
6. Turn on the instrument and Press

Shift 6

Then the Down Arrow until the front panel reads "instr Status"

Then "6" several times until the front panel reads "oSc. ovEniZEd"

To tune the oscillator:

1. Let the instrument warm up for at least an hour.
2. Measure the 10Mhz out of the DG645 with an accurate frequency counter (preferably locked to GPS or a Rb oscillator).
3. Press "Shift" then ".", then "." again to access the "cAL cLoc" menu. Adjust the cal byte so that the frequency counter measures a precise 10MHz.