



BIRD

Quality Instruments for
RF Power Measurement

MODEL 4130B TEST SET

DIFFERENCE DATA SHEET

FOR USE WITH

MODEL 4130 INSTRUCTION BOOK

GENERAL

The Model 4130B Test Set is identical to the Model 4130 except that its power supply is different. It uses eight (8) Alkaline-Manganese Dioxide size D cells instead of one 9V lithium battery. The 8 cells are connected in series to deliver 12 volts which is then regulated to 5 volts. The average life of this battery arrangement is 25 hours. The battery voltage can be read by putting the mode switch in the self-test position and depressing the Push-to-Test pushbutton for approximately 15 seconds. The voltage will be shown in the digital display. Low battery voltage is indicated by a sequential flashing of the decimals from right to left, the same as in the Model 4130.

The useful operating ambient temperature range of the 4130B is from -20°C to +50°C (-4°F to +122°F).

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*                               C A U T I O N                               *
*                               *                                           *
* It is important to replace the desiccant pouch, P/N                    *
* 5-1443 whenever the instrument is opened for service.                  *
* Failure to do so may result in a critical decrease in                  *
* accuracy of the instrument.                                             *
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BATTERY REPLACEMENT

- a. Remove the 12 screws from around the periphery of the control panel. These screws secure the control panel in the instrument case.
- b. Carefully lift the control panel and its associated components out of the case. Set the control panel face down on a flat surface next to the case.
- c. Disconnect the connector that is in the line that connects the battery and the main circuitry. A fuse holder is also found in this line. Do not remove the fuse unless it is defective.

d. Slide the battery retaining clips to the side until they are off the battery holder. The batteries can now be easily removed from the battery holders.

e. Replace batteries with fresh ones. Notice the polarity markings on the battery holder and observe correct polarity when installing the batteries.

f. Replace the old desiccant pouch with a fresh one. Failure to do so may affect the accuracy of the instrument.

g. Reassemble the unit by reversing steps a. through f. above.

REPLACEMENT PARTS LIST DIFFERENCE

<u>ITEM</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
1	8	Battery, Duracell #MN1300, Size D	5-1656
2	1	Fuse, Littlefuse 3AG 1 amp, #312001	5-721-6