



SPECIFICATIONS

TYPE 1112-A STANDARD FREQUENCY MULTIPLIER

Input: 1 volt, 100-ke sine wave from standard-frequency oscillator. Can also be driven at input frequencies of 1, 2.5, and 5 Mc. Will run free with no input signal, but absolute frequency will be in error by several parts per million unless standardized.

Output: Four channels; one each of 1 Mc and 10 Mc, and two of 100 Mc; all sine wave; all 50 ohms; 20 milliwatts, max., into 50 ohms.

Terminals: TYPE 874 Coaxial Connectors; adaptors are available to fit all commonly used connector types. See *Experimenter* for March, 1958.

Power Supply: 105 to 125 (or 210 to 250) volts, 50 to 60 cycles, 100 watts. Power input receptacle will accept either 2-wire (Type CAP-35) or

3-wire (Type CAP-15) power cord. Type CAP-35 2-wire cord is furnished. Type CAP-15 3-wire cord can be purchased separately at \$2.25.

Mounting and Dimensions: Relay-rack panel, 19 x 12 1/4 inches; over-all depth, 11 1/2 inches.

Net Weight: 25 pounds.

TYPE 1112-B STANDARD FREQUENCY MULTIPLIER

Input: 20 milliwatts, 100 Mc, sine wave from TYPE 1112-A Standard-Frequency Multiplier; 50-ohm input impedance.

Output: 1000-Mc sine wave; 50 mw into 50-ohm load; 50-ohm output impedance.

Net Weight: 35 pounds.

Other specifications are identical with those for TYPE 1112-A, above.

Type		Code Word	Price
1112-A	Standard Frequency Multiplier	EPOCH	\$1450.00
1112-B	Standard Frequency Multiplier	EPODE	1360.00

TYPE 1214-D UNIT OSCILLATOR

The TYPE 1214-AS2 Unit Oscillator, which has been supplied for use with the TYPE 1611-B Capacitance Test Bridge¹ in the measurement of electrolytic capacitors at 120 cycles, has now been given the type number 1214-D. Specifications, which were originally published in the August, 1956, issue of the *Experimenter*, remain unchanged, and are reprinted below.

¹"Capacitance Test Bridge." *General Radio Experimenter*, 32, 9, February, 1958, pp. 6-8.

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Frequency: 120 cycles $\pm 2\%$.

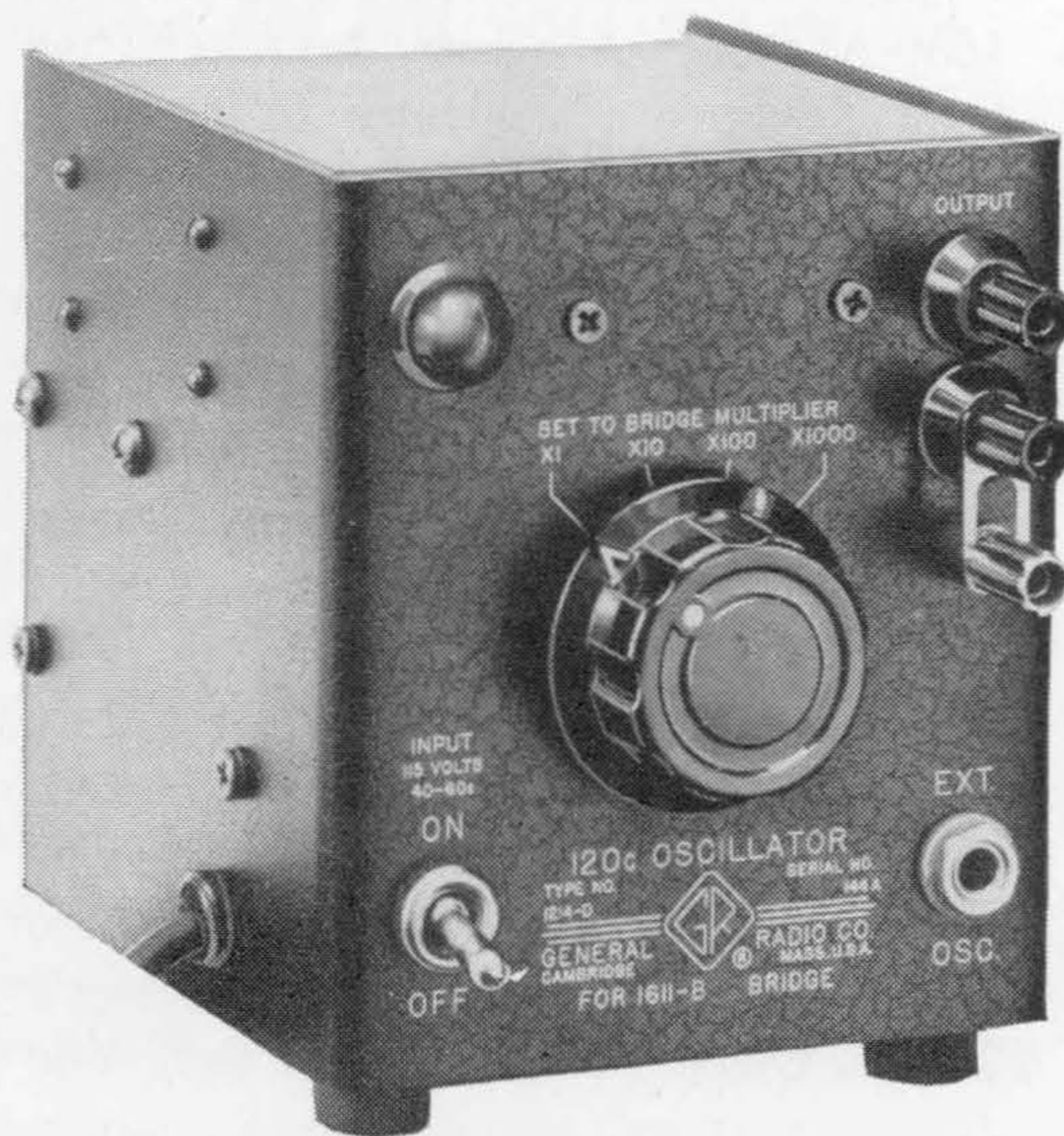
Output Impedance: Four impedances to match the impedance of the TYPE 1611-B Capacitance Test Bridge at four multiplier positions.

Output: At least 2000 mw into matched load.

Distortion: Less than 3% into a matched load.

Terminals: The output terminals are jack-top binding posts with standard 3/4-inch spacing; a ground terminal is provided, adjacent to one of the output terminals. Jack is provided for connecting external oscillator.

Power Supply: Unlike most instruments of the Unit line, the power supply is built into the instrument; 115 volts, 40-60 cycles; power consumption is about 16 watts.



Accessories Supplied: Spare fuses; the power cord is integral with the unit.

Tube: One 117N7-GT, which is supplied with the instrument.

Mounting: Aluminum panel and sides finished in black-crackle lacquer. Aluminum dust cover finished in clear lacquer. Relay-rack adaptor panel available.

Dimensions: (Height) 5 3/4 x (width) 5 x (depth) 6 1/4 inches, over-all, not including power-line connector cord. **Net Weight:** 4 1/2 pounds.

Type		Code Word	Price
1214-D	Unit Oscillator	ABBOT	\$100.00