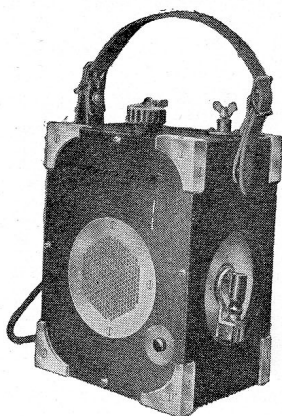


LINEMEN'S TEST SETS

No. 1017 Type



No. 1017B Test Set

The No. 1017B Lineman's Test Set contains a two-position dial switch actuated by a knob and located at the top of the cabinet. A push-button is located on the front of the cabinet. The dial switch is marked "Talk" and "Ring." In the "Talk" position, the operator can listen in directly on the line. When he wishes to talk he must depress the push-button and keep it depressed while talking. In the "Ring" position the buzzer and hand generator are connected in series to the line. The generator will operate the buzzer through a total line resistance of 2500 ohms.

The No. 1017C Test Set is more efficient than the No. 1017B Set in that it is equipped with a more powerful generator and instead of using a push-button in the battery circuit, a receiver switch is provided which is actuated by the removal or replacement of the receiver in the side of the cabinet. The dial switch is marked "Talk and Listen," "Open," and "Listen Only." In the "Talk and Listen" position, the removal of the receiver from the side of the cabinet closes the transmitter and battery circuit for talking and listening purposes. In the "Listen Only" position, the transmitter battery circuit is open. This position of the switch enables the lineman to listen continuously on a connection without running down the battery. The buzzer and hand generator are connected in series on an open circuit, the operation of the hand generator will close the circuit and will operate the buzzer through a total line resistance of 5000 ohms. The generator will operate a No. 19A Drop through 11,500 ohms resistance.

The No. 1017E Test Set is the same as the No. 1017C Test Set except that it has a larger cabinet and is equipped with the No. 6000A Interrupter. This is a high speed interrupter operated by the generator gear wheel and is used for furnishing high frequency current for ringing on composited lines. The interrupter consists of a commutator, a No. 21K Condenser equipped with leads, and a small switch for cutting the commutator in and out of the circuit. (Other apparatus listed below.)

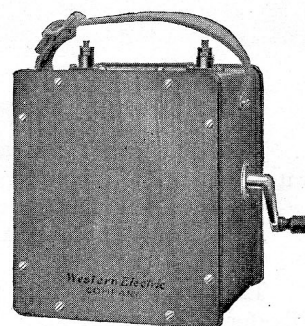
Code No.	Transmitter	Receiver	Receiver Cord	Generator	Buzzer (100 Ohms)	Battery (Eveready)	Size of Case, Inches
1017B	266	515	572 (2 ft.)	29B	2D	703	$8\frac{1}{16} \times 6\frac{3}{32} \times 4\frac{27}{32}$
1017C	266	515	572 (2 ft.)	29F	2D	703	$8\frac{1}{16} \times 6\frac{3}{32} \times 4\frac{27}{32}$
1017E	266	515	572 (2 ft.)	29F	2D	714	$9\frac{3}{4} \times 6\frac{5}{8} \times 4\frac{13}{16}$

Note. In addition to the above each set also contains a No. 13 Induction Coil.

Nos. 90510 to 90530

Consist of a generator and ringer, in series for testing through various line resistances.

The case of the set is finished in birch and is designed to withstand rough handling. A leather strap handle is provided.



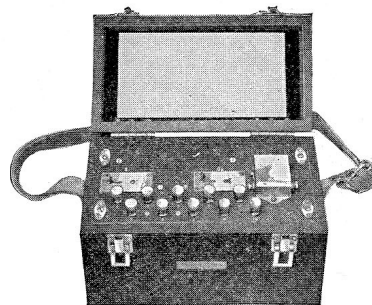
No. 90530 Test Set

List No.	Generator	Ringer		Gen. Operates Ringer Through	Size of Case in Inches
		Type	Ohms		
90530	22K	19B	2500	10,000 ohms	$5\frac{3}{4} \times 6\frac{5}{8} \times 5\frac{1}{4}$
90510	22K	19H	500	35,000 ohms	
90511	22N	19A	1000	50,000 ohms	
90512	22N	19B	2500	100,000 ohms	

LINEMEN'S TEST SETS**No. 43A Test Set**

This is a portable set designed as a cable splicer's test set in connection with the installation and maintenance of cable in manual or dial system areas. It consists of a buzzer circuit which provides tone for identifying wires, for balance testing and for running down low resistance faults on short non-loaded cable by the exploring coil method; together with auxiliary circuits which provide a battery for detecting defective pairs by receiver battery tests or for energizing the transmitter of a talking set. It also consists of a ringer buzzer by means of which the splicer may be called from a central office when communication with him is desired.

The woodwork is birch, finished in olive green.

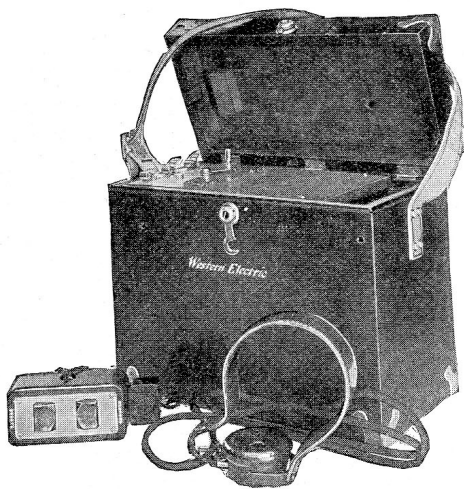


No. 43A Test Set

No. 45A Test Set

This is a portable set designed to facilitate the usual testing done by splicers in connection with the installation and maintenance of cables. It provides a space for a battery which by means of a dial switch in the test set furnishes a voltage of either $4\frac{1}{2}$, 9, $31\frac{1}{2}$ or 54 volts for supplying direct current for Wheatstone bridge measurements. It includes a buzzer circuit which provides tone for identifying wires, for balance testing and for locating low resistance faults on a short non-loaded cable by the exploring coil method.

The woodwork is birch, finished in olive green.

No. 1020C Test Set

No. 1020C Test Set

This portable cable test set consists of a special vibrating device, an exploring coil and a receiver. It is used for locating short circuits, grounds and wet spots in cable and it is so designed that it may also be utilized in testing the continuity and insulation of the conductors or to locate special pairs of wires. This set, therefore, includes the usual cable splicer's equipment as well as the exploring coil features.

In operating the set for the location of grounds and short circuits, the vibrating element is used to place a varying voltage upon the line being tested and the operator, by passing along the cable with the exploring coil and telephone receiver, can tell when he passes the fault for which he is testing by the change which then results in the sound produced in his telephone receiver.

An electro-magnetic mechanism is provided for making interruptions in the circuit of the vibrator, producing a distinctive tone which can easily be recognized. The design features of the vibrating coil give a long battery life.

The exploring coil is waterproofed in order that it will not be injured through accidental contact with water when being passed over cable in manholes, etc.

The set is accurate in its results, simple and easy to operate and requires no mathematical calculations. An instruction book for adjusting, operating and maintaining is furnished with each set.

The No. 1020C Test Set is a combination of No. 20C and No. 1019C Test Sets.

The No. 20C Test Set consists of 3 No. 540 Cords, 1 No. 18AC Resistance, 1 No. 21K Condenser, 1 Vibrator, 1 Interrupter and 1 Two-point Switch.

The No. 1019C Test Set consists of 1 No. 19C Test Set (exploring coil), 1 No. 747 Cord, 1 No. 186 Plug and 1 No. 528BW Receiver.

Overall dimensions $12 \times 10\frac{1}{2} \times 6\frac{1}{2}$ inches.

Material, birch with mahogany finish.

Weight, without batteries, $12\frac{1}{2}$ pounds.

All metal corner pieces, lock, etc., are finished in nickel. The leather carrying strap has an adjusting buckle.