OPERATING INSTRUCTIONS

TABLE OF RANGES

D.C. Voltage	D.C. Current	A.C. Voltage	A.C. Current
2,500 V.	10 A.	2,500 V.	10 A.
1,000 V.	1 A.	1,000 V.	
500 V.	100 mA.	250 V.	1 A.
250 V.	10 mA.	100 V.	100 mA.
100 V.	1 mA.	25 V.	10 mA.
25 V.	250μA.	10 V.	
10 V.	50μA.	2.5 V.	
2.5 V.			

Resistance

0–200 megohms-with external voltage or external unit
0–20 megohms, (200,000 ohms mid-scale) } self-contained
0–200,000 ohms (2,000 ohms mid-scale) } self-contained
0–2,000 ohms (20 ohms mid-scale) } self-contained
0–2·5 ohms (with external unit)

A range of accessories is available to extend the normal ranges of measurement. These include d.c. voltage multipliers (up to 30kV) d.c. current shunts (125mV drop), current transformers and a resistance range extension unit.

GENERAL DESCRIPTION

The Avometer is extremely simple to use, range selection in general being accomplished by means of two switch knobs. All tests, except those on the 2,500 V. ranges, make use of the pair of terminals at the base of the instrument.

A clearly marked 5 in. (127 mm.) scale has uniformly divided graduations to match 100 and 250 scale markings, and in addition there is an ohms scale and one for decibels. An anti-parallax mirror permits readings of the knife edge pointer to be made with great precision.

The meter is supplied complete with a pair of special rubber-covered leads. The remote ends of the leads are fitted with spring clips, which may be interchanged with the Avo Long Reach Safety Clips Mk. 2 supplied with the instrument.

Avo Long Reach Safety Clips Mk. 2 have been introduced to enable connections for test purposes to be made at what are normally inaccessible points on a chassis. Examination will show that they are completely insulated with the exception of the jaws at one end, which can be opened by compressing the stem into the body of the clip. Rigid connections to wiring can thus be made by this insulated device in complicated wiring systems where other types of larger clip could not be attached, or if fixed might cause short circuits. It should be noted that they are not suitable for high current.