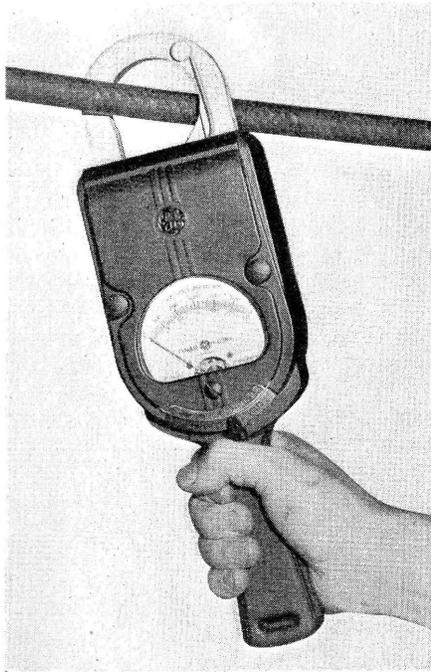


mitter is entirely enclosed in a round glass cover which provides a clear view of all parts of the transmitter.

Hook-On Volt-Ammeter

THE General Electric Company has recently placed on the market a versatile, portable, Type AK-1 hook-on volt-ammeter, for measuring alternating current and voltage. With this instrument, current readings can be made, simply by hooking a portion of the instrument around an insulated or non-insulated wire of the circuit.



Type AK-1 hook-on volt-ammeter in use for current reading

An integral part of the instrument is a C-shaped, split-core current transformer, so designed that it can be operated without a trigger.

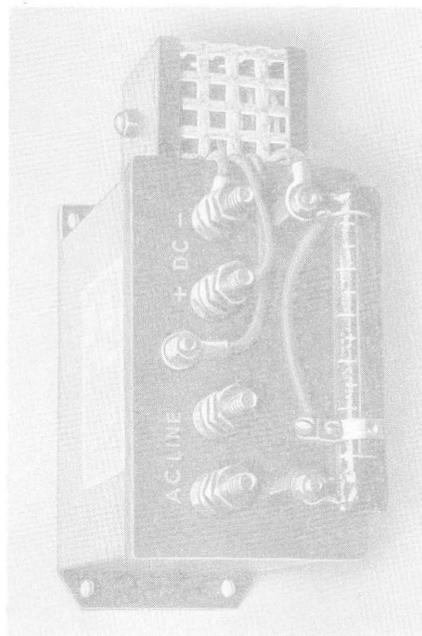
In making electrical measurements of current, the transformer is simply pulled open and placed against the conductor. A slight push upon the handle snaps the transformer shut. A gentle pull, after the measurement has been made, springs open the dovetail point of the transformer and releases the conductor. The dovetail joint assures that any particles of dirt, which would cause large errors in the ordinary butt joint, have almost negligible effects upon the indication. This instrument may also be used as an a-c. voltmeter, terminal posts, on the instrument, and lead wires being furnished to connect the instrument in the ordinary manner. Four current ranges, 0-15/60/150/600 amp., and two voltage ranges, 0-150/600 volts, are available at the setting of a convenient six-position snap switch.

The indicating instrument used in the AK-1 meter is the G. E. Type DO-40, miniature rectifier instrument. Readings are taken on a uniformly-divided scale, approximately 2½ in. long and marked in large red and black figures corresponding to the figures on the selector switch. The transformer, indicating instrument, internal resistors for extending the range, and the selector switch are all mounted in a single textolite case. The handle, molded as part of the case, provides insulation and a maximum of safety for the operator. A convenient slot for a carrying strap is molded in the handle.

This meter is designed for use on conductors of 2-in. maximum diameter, and is compact enough to get into tight places, light enough to be hung on a lineman's belt, and sufficiently accurate for a great variety of measuring jobs. The instrument weighs 3½ lbs., and is designed for easy, one-hand operation. The accuracy of this volt-ammeter is within 3 per cent.

Voltage-Stabilized Transformer

A COMPACT voltage-stabilized transformer of 10 v.a. output, intended for stabilizing the voltage of small rectifiers in localities where fluctuating line voltages are prevalent, has been developed by Fansteel Metallurgical Corporation, North Chicago, Ill., and is announced as the Type U-16 Fansteel - Sola voltage - stabilized transformer.

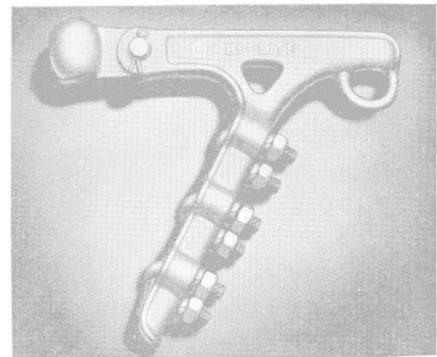


Voltage-stabilized transformer

This unit is of 1:1 ratio, with the secondary stabilized at 115 volts from a 60-cycle primary varying between 95 and 130 volts. This transformer installed on the a.-c. input side of small track or signal rectifiers, completely remedies signal difficulties due to fluctuating line voltage. It is especially recommended for a.-c. primary systems. Installation of the Type U-16 transformer does not necessitate the removal of existing transformers or any other apparatus. The unit is simply installed in the a.-c. line, and when this is done, the voltage to the existing apparatus is automatically stabilized to the output of the Fansteel-Sola transformer. Dimensions are 5-½ in. high by 2-7/8 in. wide by 5-7/8 in. deep.

Small Strain Clamp

THE Ohio Brass Company, Mansfield, Ohio, has redesigned its smallest size Hi-Lite strain clamp to increase the range of conductors accommodated. With the new design this clamp without liners will take 0.20- to 0.55-in. conductors. This range includes copper conductors from No. 4 solid to 4/0 stranded. The clamp with liners



Hi-Lite strain clamp

will take conductors from No. 4 A. C. S. R. to 2/0 A. C. S. R.

The redesigned clamp is equipped with three U-bolts and the active clamping section is approximately 7¾ in. long, providing greater holding power and easier carriage of the cable. The radius of curvature at the entrance to the clamp is 3¾ in., resulting in less stress in the cable at the critical section and less likelihood of damage as a result of vibration. The small Hi-Lite is furnished with a loop at the mouth of the clamp to which tackle used in pulling a conductor to final sag may be attached. This feature permits installation of the clamp in its working position. It also eliminates the necessity of measuring insulators and cable and then making