



A TESCO COMPANY

UNILoad VOLTAGE TRANSFORMER

2J4-4

introduction

The Type 2J4-4 Knopp Uniload Voltage Transformer Test Set consists of three major parts:

- ◆ A Type WP-14000-4 Knopp Precision Multirange Voltage Transformer Standard with primary ranges of 120; 240; 288; 300; 480; 600; 2,400; 4,200; 4,800; 7,200; 8,400; 12,000; and 14,400 volts. Secondary: 120 volts.
- ◆ A Type LP-14000-4 Knopp Heavy-Duty Supply Transformer (similar in size and appearance to the WP-14000-4).
- ◆ A rubber-tired carriage which supports the WP-14000-4 and LP-14000-4 and provides mobility to the complete Uniload Test Set.

For convenience and safety, a connection arrangement which prevents incorrect connections during tests is used for selecting the proper voltage range on the supply transformer and the precision standard.

The Type LP-14000 Knopp Supply Transformer mounts on top of the Type WP-14000-4 Knopp Voltage Transformer, with an interlocking feature for rigidity. Handles are also provided on each transformer for an added convenience should you wish to use the transformers separately and away from the carriage.

accuracy and burden

When the Type WP-14000-4 Precision Standard Transformer is used with a secondary burden of 15 volt-amperes, to give an example, the ratio of this voltage transformer is well within .02% and the phase angle is well within 2 minutes. The transformer is wound so that it has practically the same ratio and phase angle accuracy on all ranges.

calibration

The transformer standard can be calibrated by itself without a standard of comparison by means of the Knopp One-to-One method.

primary ranges

The primary ranges for the 2J4-4 are:

120/240/288/300/480/600/2400/4200/4800/7200/8400/12000/14400 volts.

All ranges are referenced to a 120 volt secondary.

specifications

The equipment measures approximately 23" wide (not including handles), 15" deep, and 40" high.

The net weight is approximately 500 pounds.

