



precision multirange voltage transformers

TYPE WP-36000



introduction

This Type WP-36000 Transformer is primarily a laboratory standard. The high degree of accuracy and multiplicity of ranges makes this transformer the standard for precision calibration work. With the aid of this transformer, very accurate determination can be made of the ratio and phase angle characteristics of voltage transformers having ratings from 14,400 to 36,000 volts.

Additionally, the range of a voltmeter or wattmeter can be accurately extended by this transformer to cover all voltage values from 14,000 to 36,000 volts.

primary ranges

Several models are available. The models are differentiated by the two intermediate ranges:

- **Model WP-36000-1:** 14400, 18000, 20760, and 36000 volts. Secondary: 120 volts
- **Model WP-36000-2:** 14400, 16800, 24000, and 36000 volts. Secondary: 120 volts
- **Model WP-36000-3:** 14400, 21000, 24000, and 36000 volts. Secondary: 120 volts

Other intermediate ranges are available. Consult Knopp for more information.

burden and accuracy

The WP-36000 Transformer, like other Knopp Precision Multirange Transformers, has excellent ratio and phase angle characteristics with respect to both inter-range accuracy and overall accuracy. This is made possible through a properly engineered design and through exclusive, highly perfected compensating and winding methods.

The transformer is furnished compensated for the highest possible accuracy at the burden specified by the user, but it may be used with excellent results with other burdens up to 25 volt-amperes. When used with the burden for which compensated, the ratio of this transformer standard is well within $\pm 0.02\%$ and the phase angle is well within 2 minutes on all ranges.

calibration

The WP-36000 does not provide the Knopp One-to-One Calibrating Feature. However, for those who have a WP-14000 Knopp Precision Multirange Voltage Transformer Standard with the Knopp One-to-One feature, the benefit of the One-to-One calibration can be extended to the WP-36000 by comparing the 14400-volt ranges of the two transformers, using the WP-14000 as the standard.

description

This transformer is oil-insulated and is equipped with high-voltage cast-glass bushings. The plus-minus end of the winding is grounded to the core and case, and the transformer should be grounded through the ground terminal provided.

specifications

dimensions: The approximate overall dimensions are:
30" (76.2 cm) wide, 24" (609.6 cm) deep, and 32" (812.8 cm) high, including bushings.

weight: The net weight is approximately 570 lbs. (259 kg), and the shipping weight is approximately 700 lbs (318 kg).

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