Product Bulletin: 42-965

Type VOG-11 Voltage Transformer

Medium Voltage Instrument Transformer
NSV 13.8 kV Outdoor, 110.0 kV BIL
60 Hertz

Application

The VOG-11 voltage transformer is designed for metering line-to-ground circuits. The single centered bushing and reduced neutral end insulation permit a significant reduction in size and installation spacing, while maintaining full 110 kV BIL insulation clearances.

Construction Features

The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution.

The entire core and coil assembly is cast in polyurethane under a vacuum.

The primary H1 bushing terminal is electro-tin plated copper and accommodates #10 to 250 MCM conductors. The H2 neutral terminal is insulated to withstand a 10 kV test level. It can be disconnected from the external ground cable for power factor measurement.

Secondary terminals are clamp-type and are sized for #14 through #3 wire. A ground terminal is also provided for grounding the secondary circuit at the transformer.

The molded junction box has a one inch conduit hub on either end and a knock out for a one inch conduit fitting on the bottom. The box is anchored to the body of the transformer with screws, and can easily be detached, simplifying installation and change out procedures.

The base is constructed of 6061-T6 aluminum. The base is given a finish of light gray alkyd enamel paint. Four screws secure the base.

Product Bulletin: 42-965

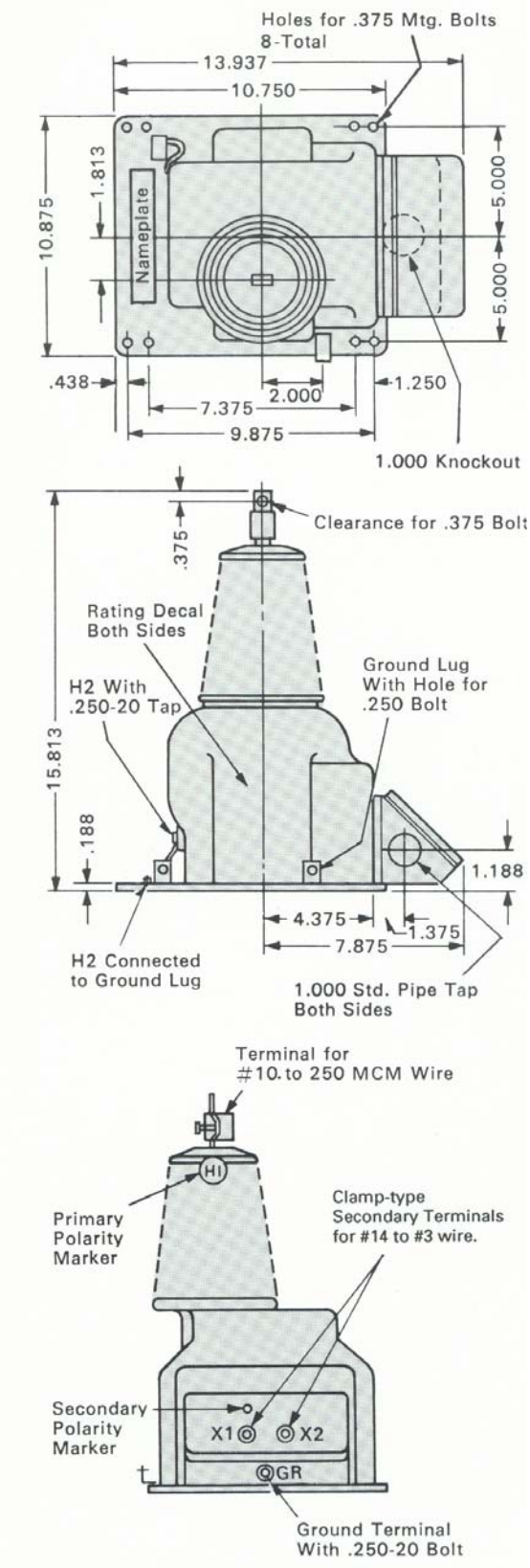
Selector Guide

Style Number	Primary Voltage	Winding Ratio
7525A95G01	7200/12470GY	60.0:1
7525A95G02	7620/13200GY	63.5:1
7525A95G03	8400/14560GY	70.0:1

Ratings

- ANSI metering accuracy class (60 Hertz):
  - ⇒ 0.3 W, X, M, Y, and 1.2Z burdens at 120.0 volts
  - ⇒ 0.3 W, X, and 0.6M burdens at 69.3 volts
- 1000 VA thermal at 30ºC ambient

Dimensions



Approximate weight: 46 lbs.

Product Bulletin: 42-965

Curves

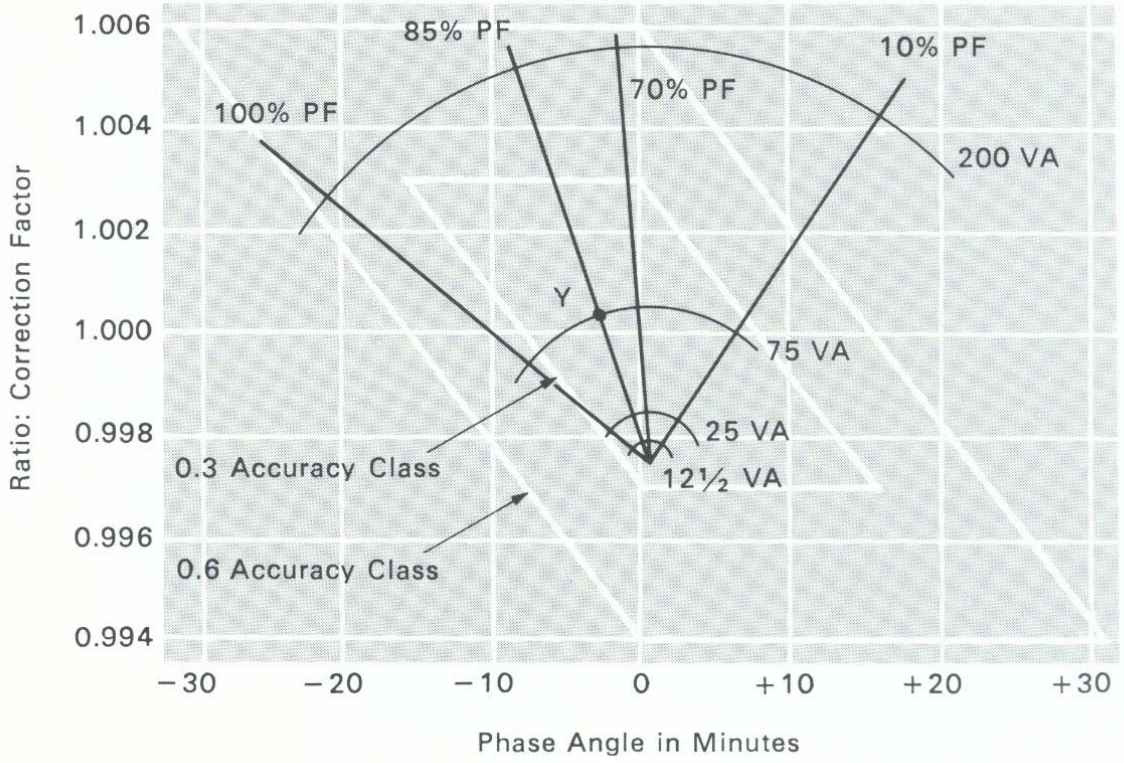


ABB Inc.
3022 NC 43 North
Pinetops, NC 27864
Tel: + 1-252-827-3212
www.abb.com/mediumvoltage

Refer to Price List 42-900 for more information May 2005