

# Type VOZ-11M Outdoor voltage transformer

## Product features

- 15 kV, outdoor
- 110 kV BIL, 60 Hertz
- Primary volts: 2400 - 14400
- Electrical clearances:
  - Strike: 8.75" (222 mm)
  - Creep: 17.5" (444 mm)
- Approximate weight: 74 lbs (34 kg)

## Application

The VOZ-11M outdoor voltage transformer is designed for outdoor metering and relaying applications.

## Construction features

The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. Each coil is carefully insulated with mylar film to provide a high dielectric medium between layers. The completed winding structure and double loop cores are assembled to a support frame.

The entire core and coil assembly is cast in polyurethane under a vacuum. The polyurethane formulation, developed specifically for instrument transformers, combines superior arc track, ozone, and ultraviolet resistive properties with physical strength and flexibility.

## Terminals

Primary terminals are made of electro-tin plated copper and accommodate #10 to 250 MCM conductors. 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.

## Junction box

The molded, glass-filled polypropylene junction box has a 1" conduit hub on either end and a knock out for a 1" 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.



## Baseplate

The base is constructed of corrosion-resistant aluminum and is secured to the encapsulated base support.

## Mounting

The VOZ-11M can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

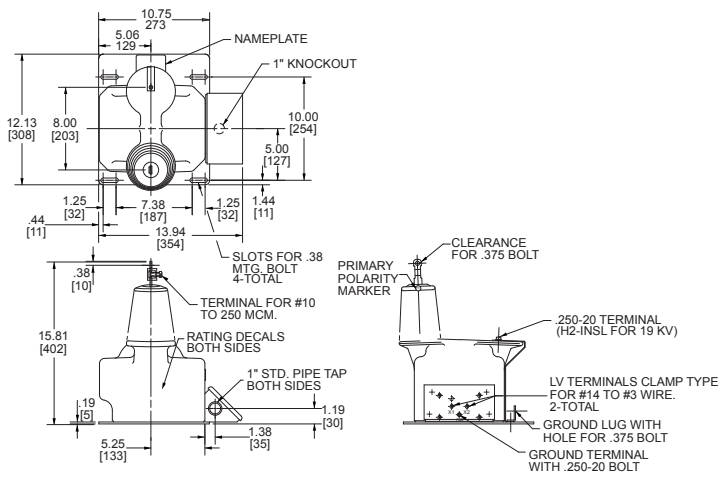
## Test reports

IEEE test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

## Standards

This unit meets all applicable IEEE and NEMA standards and can be made to meet other standards, such as CSA or IEC, as requested.

## Unit dimensions



Type VOZ-11M

For more information please contact:

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## Selection guide

Primary voltage	Secondary voltage	Winding ratio	Metering accuracy	Style number
7200/12470GY	120	60:1	0.3Z	7525A91G05
7620/13200GY	120	63.5:1	0.3Z	7525A91G06
8400/14560GY	120	70:1	0.3Z	7525A91G07
12000/12000GY	120	100:1	0.3Z	7525A91G08
13200/13200GY	120	110:1	0.3Z	7525A91G09
14400/14400GY	120	120:1	0.3Z	7525A91G10

Thermal rating at 30°C: 1500

Rated voltage factor (RVF): 1.1

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

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## Optional accessories

- Vertical mounting with mounting brackets & back-up plates:  
 Mounting bracket: 463C035G02  
 Back-up plate: 28D2876G01
- Vertical mounting with mounting brackets and hangers:  
 Mounting bracket: 463C035G02  
 Hangers: 261A233G01
- Vertical mounting with channel brackets for tandem mounting of voltage and current transformers:  
 Channel bracket: 332B955G02
- Horizontal mounting with hangers:  
 Hangers: 261A233G01