

INSTRUMENT TRANSFORMERS WITH ABB RESIVOLT™ TECHNOLOGY

VOG-15R

Outdoor voltage transformer



The VOG-15R is a lightweight voltage transformer with ResiVolt transient resistant technology, designed for use in line-to-ground metering and recloser applications.

Product features

- 25 kV, outdoor
- 150 kV BIL, 60 Hertz
- Strike: 17.72" (450 mm)
- Creep: 38.47" (977 mm)
- Minimum operating temperature: -50° C
- Approximate weight: 85 lbs (39 kg)

Industry leading performance

- Excellent withstand capability against steep wave power network transients improves reliability and increases safety in recloser applications
- Enhanced creep distance provides outstanding flashover resistance and increased surface area for better heat dissipation
- Encapsulated in advanced HCEP (hydrophobic cycloaliphatic epoxy) material, providing unparalleled performance in outdoor applications, including wet or polluted environments and coastal applications

Application

- Ideal for recloser applications up to 150 kV BIL
- Designed with ResiVolt technology to withstand challenging environments where very fast transient over-voltages (VFTO), such as those caused by line switching devices, are present
- Optimal solution for line-to-ground metering applications; offers superior performance in a compact design

Terminals

- The electro-tin plated primary H1 bushing terminal accommodates #10 to 250 MCM conductors
- The H2 neutral terminal is insulated to withstand a 19 kV test level and can be disconnected from the external ground cable for power factor measurement
- Clamp-type secondary terminals accommodate #14 through #3 wire

Mounting

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

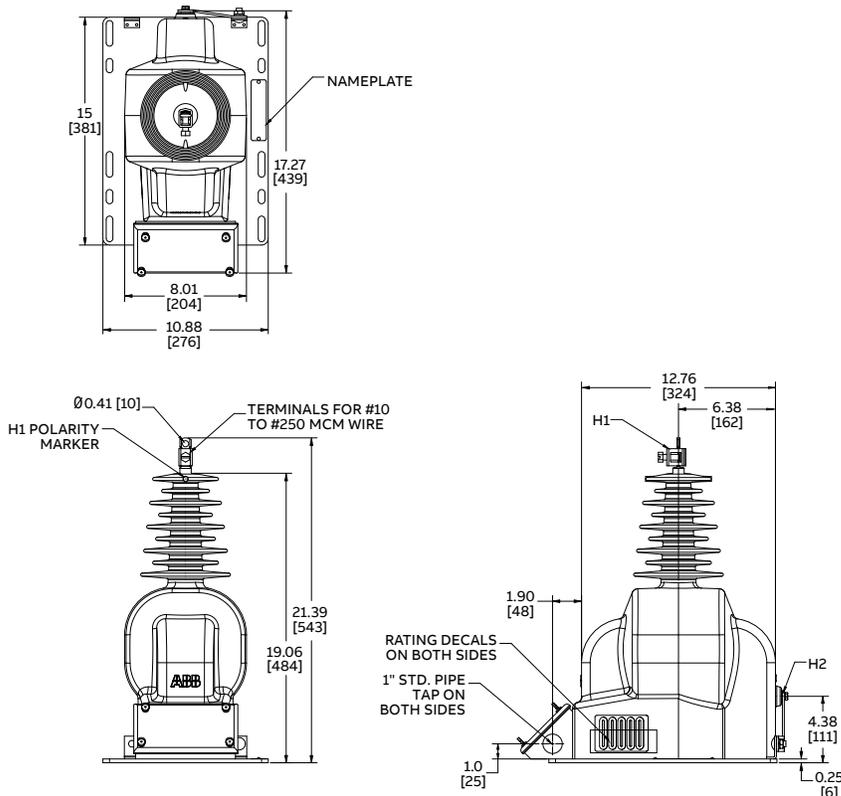
Standards

- This unit meets or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested
- Meets IEC 61869-3, clause 7.2.3 and CAN/CSA 411.1, clause 6.6 requirements for basic impulse and fast impulse transient withstand

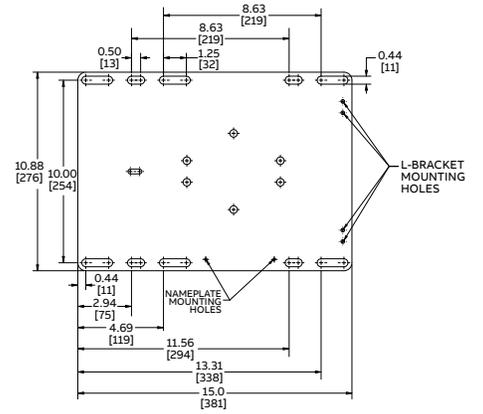
Warranty

Units with ABB ResiVolt technology are provided with a 3-year warranty.

Unit dimensions (inches [mm])



Baseplate dimensions (inches [mm])



Selection guide

Primary voltage	Secondary voltage	Winding ratio	Metering accuracy	Thermal rating at 30° C	Rated voltage factor (RVF)	Style number
7200/12470GY	120	60:1	0.3Y	1000	1.4	E-923A592G02
8400/14560GY	120	70:1	0.3Y	1000	1.4	E-923A592G05
12000/20780GY	120	100:1	0.3Y	1000	1.4	E-923A592G03
13200/22860GY	120	110:1	0.3Y	1000	1.4	E-923A592G04
13800/23900GY	120	115:1	0.3Y	1000	1.4	E-923A592G06
14400/24940GY	120	120:1	0.3Y	1000	1.4	E-923A592G01

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