

CE-069

69 kV CURRENT TRANSFORMER



OUTDOOR
60 Hertz

ARTECHE CE series are dry type outdoor service top-core current transformers. The core is encapsulated with Type B epoxy resin which provides excellent internal dielectric properties and mechanical strength. The external layer of Cycloaliphatic Epoxy Resin (CEP) provides resistance to ultraviolet rays and the effects of tracking and erosion on the exterior of the transformer ensuring a long mechanical and electrical life. The transformer is maintenance free.

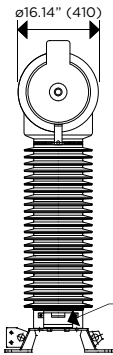
The external layer can be manufactured with Hydrophobic Cycloaliphatic Epoxy Resin (HCEP) which improves service life expectancy due to its improved tracking and erosion resistance. HCEP additionally increases the transformer's weatherability and offers better performance in heavily polluted environments.

The core is built with high permeability grain oriented silicon steel laminations for low losses. The windings are copper wire with copper plate double isolation. The concentric distribution of the coils prevents magnetic flux leakage, achieving greater accuracy and higher capacity to withstand mechanical stresses in adverse operating conditions. The cores and windings are located in the upper part of the transformer. This head is coated with a conductive layer, which provides an adequate electric field control.

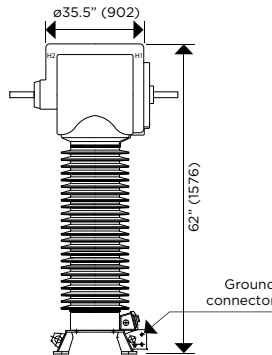
Partial Discharge measurements exceed the IEEE, CAN/CSA and IEC requirements.

Mechanical characteristics

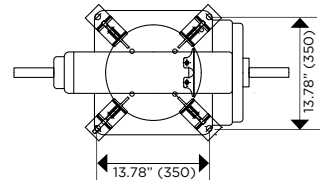
Insulation Material	Colors	Weight (lbs.)	Creepage distance (in)	Strike distance (in)
Resin	Gray*	771	109.4	33



Terminal box



Ground connector



Drawing number: 9448138

CONNECTIONS	PRIMARY TERMINAL	GROUND CONNECTOR	SECONDARY TERMINAL	MARKING (Single Primary Ratio)	ONE SECONDARY
	<p>Type: PM30MC0-1-4N-E Material: Aluminum</p>	<p>Type: LZ-500 Material: Copper Range: 4/OTRE-500MCM</p>	<p>Type: Hex screw Material: Steel</p>		

Approximate dimensions in inches (mm).
* Brown color available upon request.

