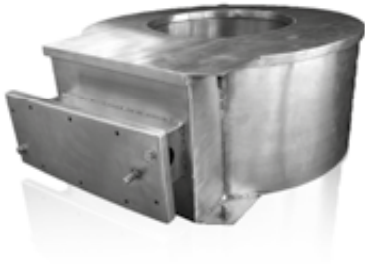


OVER BUSHING CURRENT TRANSFORMER

600 V CURRENT TRANSFORMER



The ARTECHE Over Bushing CT series are 600 V rated units designed to fit over a variety of specified bushing sizes. Primary current ratios are available from 200:5 thru 5000:5 at 60 Hz with a Rating Factor of up to 4.0.

This Slip-Over type CT will operate with high accuracy for metering or relay applications.

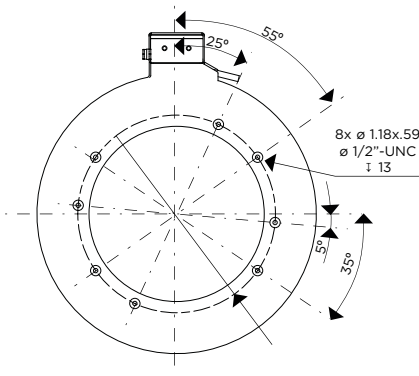
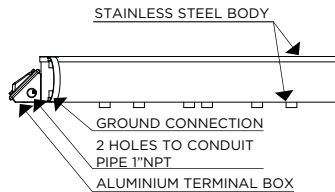
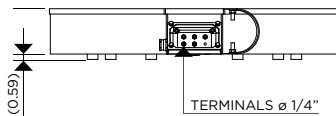
OUTDOOR
 60 Hertz
 Single, Dual and Multi Ratios, Window
 Type, Metering/Relaying

Mechanical characteristics

The core and coil assembly is wound and tape wrapped and is available in window sizes from 2.5 to 45 inches. The secondary leads are typically #10 AWG or #12 AWG. The bushing insulation provides the dielectric protection for the CT.

A metal housing covers the whole Current Transformer.

The core of the CT is constructed from high permeability grain oriented silicon steel laminations which provide low core losses. The windings are constructed with copper wire and copper plate double isolation. Concentric distribution of the CT coils prevents magnetic flux leakage, achieving greater accuracy and higher capacity to withstand mechanical stresses under adverse operating conditions.



OVER BUSHING CURRENT TRANSFORMER

600 V CURRENT TRANSFORMER

Accuracy performance

The ARTECHE Bushing CT provides 0.3 metering class accuracy with burdens from B0.1 to B1.8 and up to class C800 for relay applications. The transformer is accurate through its Rating Factor, and can be used continuously to this level.

Testing

The ARTECHE Bushing CT is individually tested per the IEEE C57.13 standard, including dielectric tests, accuracy and polarity.

Mounting

The ARTECHE Bushing CT is designed to be externally mounted around the bushings of power transformers, circuit breakers, underground potheads or in switchgear.

Options

Through careful calculation, steel selection and testing, existing current transformer characteristics can be matched with the ARTECHE Bushing CT. Existing characteristic curve would be required. Contact factory for other needs.

How to order

When ordering an ARTECHE Over Bushing CT, include the following information:

1. Minimum inside diameter (ID) _____ in [mm]
2. Maximum outside diameter (OD) _____ in [mm]
3. Maximum allowable height (HT) _____ in [mm]
4. Current ratio and taps, if any _____ (:5A or :1A | SR, DR, MR)
5. Accuracy and burden requirements, for example.
 - Metering - _____ (0.3 B0.1 thru B1.8)
 - Relaying - _____ (C-100, C-200, C-400, or C-800 or other)
 If IEC ratings, list class and burden _____ (e.g. class 0.2-20 VA, 5P20-40 VA)
6. Continuous Rating Factor _____ (standard is RF=2.0)
7. Frequency _____ (standard is 60 Hz)
8. Lead length & type _____ size - _____ (standard is #10 AWG TW)

NOTE - Due to the many variations of mounting, Arteche does not supply mounting hardware. Units are custom manufactured to customer specifications. Contact factory to discuss other options.

Notes:

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