

ACH-24

25 kV CURRENT TRANSFORMER



**INDOOR
60 Hertz**

ARTECHE AC/CID Series are dry type indoor service current transformers. The core is encapsulated with Type B epoxy resin which provides excellent internal dielectric properties and mechanical strength, ensuring a long mechanical and electrical life. The transformer is maintenance free.

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.

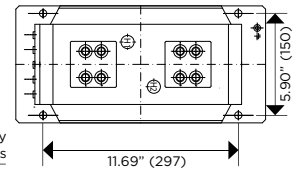
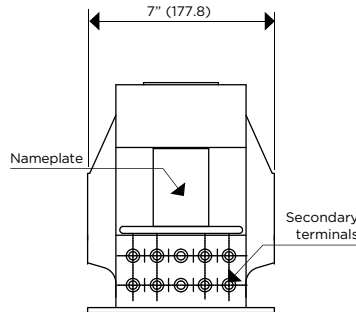
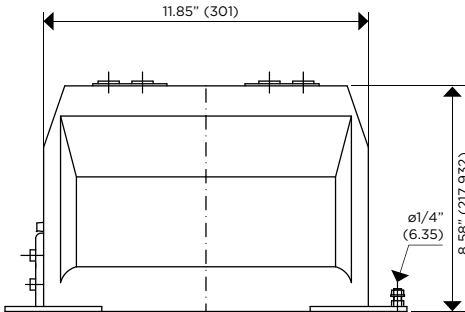
Partial Discharge measurements exceed the IEEE, CAN/CSA and IEC requirements.



UL Recognized Component File No.:E252140

Mechanical characteristics

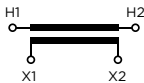
Insulation Material	Colors	Weight (lbs.)
Resin	Gray*	63.8



Drawing number: 4286143

MARKING
(Single
Primary
Ratio)

ONE
SECONDARY



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

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Electrical characteristics

Code	Current Ratio (Primary: Secondary) (A)	Continuous Thermal Current Rating Factor @ 30°C	Short- time Thermal Current (kA/1s)	Short- time Mechanical Current (kA _{peak})	IEEE Metering Accuracy	Relay Accuracy	Nominal Voltage System (kV)	BIL (kV)	Power-Frequency Withstand Voltage (1 min)	
									Primary & Secondary (kV _{rms})	Secondary Winding (kV _{rms})
750741015	75:5	1.2	7.5	15	0.3 B-0.5	C-50	25	150	50	2.5
750741020	100:5	1.2	10	20	0.3 B-0.5	C-50	25	150	50	2.5
750741030	150:5	1.2	15	30	0.3 B-0.5	C-50	25	150	50	2.5
750741040	200:5	1.2	20	40	0.3 B-1.0	C-50	25	150	50	2.5
750741060	300:5	1.2	30	60	0.3 B-1.0	C-50	25	150	50	2.5
750741080	400:5	1.2	40	80	0.3 B-1.0	C-50	25	150	50	2.5
750741120	600:5	1.2	50	95	0.3 B-1.8	C-100	25	150	50	2.5
750741160	800:5	1.2	60	120	0.3 B-1.8	C-100	25	150	50	2.5
750741200	1000:5	1.2	75	135	0.3 B-1.8	C-200	25	150	50	2.5
750741240	1200:5	1.2	84	150	0.3 B-1.8	C-200	25	150	50	2.5

High Accuracy Extended Range 1% nominal current to Rating Factor

750746040	200:5	2.0	20	40	0.15 B-1.8	-	25	150	50	2.5
750746120	600:5	1.2	75	135	0.15 B-1.8	-	25	150	50	2.5
750746200	1000:5	1.2	75	135	0.15 B-1.8	-	25	150	50	2.5
750746240	1200:5	1.2	75	135	0.15 B-1.8	-	25	150	50	2.5

Additional ratings available upon request.

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