

UENS-24

25 kV VOLTAGE TRANSFORMER



**INDOOR
60 Hertz**

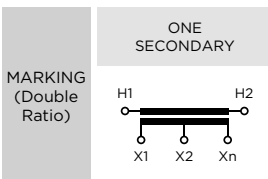
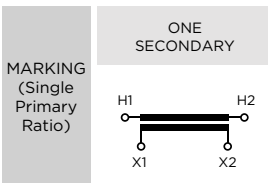
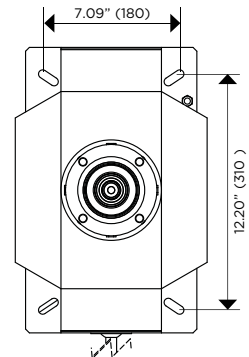
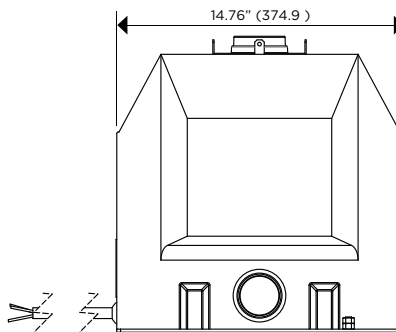
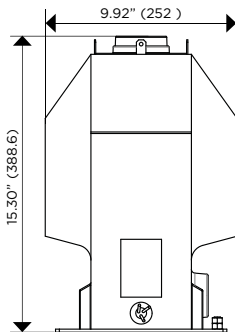
ARTECHE UENS series are dry type indoor service voltage transformers. The core is encapsulated with Type B epoxy resin which provides excellent internal dielectric properties and mechanical strength, ensuring a long mechanical and electrical life. The transformer is maintenance free.

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.

The new design is a voltage transformer for 19 feet (about 6 meter) intermittent submersible application with metallic coating. The model is cast in epoxy resin and is strongly insulated to environment. The UENS (single phase) models are metering units and rated for use up to 25kV submersible operation up to 150kV BIL. The medium voltage terminals are bushing wells compatible with IEEE 386 interfaces.

Mechanical characteristics		Weight (lbs.)
Insulation Material	Colors	
Resin	Gray*	101



Drawing number: 4288297

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

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Electrical characteristics

Code	Ratio	Primary (V)	Secondary (V)	IEEE Metering Accuracy	Continuous Rated Voltage Factor (Un)	Rated Voltage Factor 30 s (Un)	Thermal Burden (VA)	Nominal Voltage System (kV)	BIL (kV)	Power-Frequency Withstand Voltage (1 min)	
										Primary & Secondary (kV _{rms})	Secondary Winding (kV _{rms})
Submersible style											
754050001	100:1	12000/20780GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	125	50	2.5
754050002	120:1	14400/24940GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	125	50	2.5
754050003	200:1	24000/24000GY	120	0.3 W,X,M,Y	1.1	1.25	1000	25	125	50	2.5

Additional ratings available upon request.

Secondary terminals:

- 19' Submersible wire.

Notes:

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