INSTRUMENT TRANSFORMERS.
HIGH VOLTAGE.
CURRENT TRANSFORMERS

> Wide range of designs meeting customer needs.
> Type CA, up to 800 kV. Inverted (top core or live tank) transformer with oil-paper insulation. Porcelain or silicone rubber insulators.
  - Wide range of primary currents (from 1 to 5,000 A) and short-circuit currents.
  - Reinforced safety design, resistant to internal fault.
> Type CG, up to 300 kV. Inverted (top core or live tank) transformer with SF6 insulation. Silicone rubber insulator.
  - Total safety in case of internal arc.
  - Online monitoring of the insulation status.
> Type CH, up to 145 kV. Hairpin transformer with oil paper insulation. Porcelain or silicone rubber insulators.
  - Excellent seismic performance.
> Ideal for use in metering points due to their very high accuracy.
> Excellent frequency response, suitable for accurate power quality monitoring and harmonics measurement.
> All types of measuring and protection cores.

INDUCTIVE VOLTAGE TRANSFORMERS

> Type UT up to 550 kV. Oil-paper insulation with porcelain or silicone rubber insulators.
> Ideal for use in metering points due to their very high accuracy class. Exact and steady during the transformer’s entire service life, offering maximum reliability.
> Suitable for the discharge of high voltage lines and capacitor banks.
> Excellent frequency response, suitable for accurate power quality monitoring and harmonics measurement.
> Anti-resonant design.

COMBINED TRANSFORMERS

> Type KA, up to 245 kV. Oil-paper insulation with porcelain or silicone rubber insulators.
> Reduction of the necessary space in the substation, transport and storage.
> Ideal for use in metering points due to their very high accuracy for both current and voltage measurement.
> Suitable for the discharge of high voltage lines and capacitor banks.
> Excellent frequency response, ideal for power quality monitoring and harmonics measurement.
> Reinforced safety, resistant to internal fault.
CAPACITIVE VOLTAGE TRANSFORMERS. COUPLING CAPACITORS

› Capacitive voltage transformers:
  • Type DDB, up to 170 kV.
  • Type DFK, up to 800 kV.
› Coupling capacitors:
  • Type DDN, up to 170 kV.
  • Type DFN, up to 800 kV.
› Highly stable capacitance and, therefore, accuracy.
› Reliable ferro resonance suppression system that does not affect transient response or accuracy.
› Pressure-relief device that guarantees maximum safety in the event of an internal fault.
› Stainless steel bellows, which allow oil volume changes caused by temperature variations and ensure hermetic sealing.
› Special designs for harmonics and power quality measurement.

VOLTAGE TRANSFORMERS FOR AUXILIARY SERVICES

This type of voltage transformer can supply several kVA Low Voltage power directly from a High Voltage line.

› Wide range of designs meeting customer needs.
› Type UT, up to 245 kV and 10 kVA. Inductive voltage transformer with oil-paper insulation. Porcelain or silicone rubber insulator.
› Type SVR, up to 550 kV and 50 kVA. Inductive voltage transformer with SF6 insulation and silicone rubber insulator.
› Type UTR, up to 362 kV and 333 kVA. Inductive voltage transformer with oil-paper insulation. Porcelain or silicone rubber insulator.
› Ideal for supply substation auxiliary services, telecommunication systems, rural electrification, etc.
› Reliable and independent LV power supply.

OTHER TECHNOLOGIES

ARTECHE has some other technologies to complete the High Voltage outdoor service product range, such as:

› Medium voltage outdoor instrument transformers, with dry or oil-paper insulation from 17 kV up to 72.5 kV.
› Line Traps. Up to 2 mH and up to 4,000 A.
› Optical current transformer with digital output.
› GIS voltage transformer.
FEATURES

› Wide range of designs and insulation technologies to satisfy any customer needs.
› Excellent response under challenging operating conditions.
› Consistent accuracy during the transformer’s entire service life, providing maximum reliability.
› Long life & maintenance free.
› Routine tested, including partial discharges, tangent delta (DDF), insulation and accuracy. Designed to withstand all the type test included in the standards.
› Compliance to any international standards: IEC, IEEE, UNE, BS, VDE, SS, CAN, AS, NBR, JIS, GOST, NF...
› Officially approved in-house testing facilities.

QUALITY

ARTECHE group follows total quality criteria. We maintain standardized process and procedures for continuous growth throughout the company worldwide.

MANAGEMENT:
› Quality agreements with utilities.
› Internal and external skill motivation programs.
› Advanced development of knowledge management.

CONTROL:
› Physicochemical and electrical laboratories for testing of products and components according to international standards.
› Type test reports issued by KEMA, CESI, LABEIN, LAPEM, RENARDIÈRES...
› Final testing according to specific customer requirements.

ENVIRONMENT:
› Compact design manufactured with minimal energy consumption and environmental friendly materials.

SERVICE

› With companies in 4 continents and more than 70 sales and technical support offices.
› Active participant in the most important electrical organizations: IEC, IEEE, CIGRE, CIRED, ASINEL, etc.
› Customer-focused, which translates into an after-sales comprehensive assistance plan.
› Quick response, including a continuous improvement plan.
› Comprehensive training program by means of seminars, publications, symposiums, etc.

For more detailed information, please visit us at www.arteche.com