

Instrument Transformers

tradition.
knowledge.
responsibility.



KONČAR

Končar - Instrument transformers Inc.



ABOUT US

KONČAR - Instrument transformers Inc. have been manufacturing instrument transformers since 1947 and have consequently accumulated extensive experience not only in the field of manufacture but also research, innovation and original technical solutions.

The products we manufacture have been validated according to all relevant international standards, giving them an evident global character.

Our employees sit at the core of all the added value we provide. Naturally, they represent our most treasured asset. Therefore, significant resources are invested in both their professional and personal growth.

KONČAR - Instrument transformers Inc. are part of KONČAR - Electrical Industries Inc. Our product scope fits within the Group's core business - Energy and Transport. The business activity of the KONČAR Group lies in power generation, distribution and transmission of electrical energy, industry and electric traction, spanning from design to implementation, including the manufacture of accompanying equipment.





PRODUCTION PROGRAM

HIGH VOLTAGE INSTRUMENT TRANSFORMERS (paper-oil insulated)

- Current transformers for Um 72,5 to 800 kV
- Inductive voltage transformers for Um 72,5 to 550 kV
- Combined transformers for Um 72,5 to 550 kV
- Capacitor voltage transformers for Um 72,5 to 800 kV
- Power voltage transformers for Um 72,5 to 550 kV (up to 250 kVA)



MEDIUM VOLTAGE INSTRUMENT TRANSFORMERS

- Paper-oil insulated current and voltage transformers up to Um 52 kV
- Epoxy resin insulated current and voltage transformers up to Um 52 kV
- Three phase combined metering units

TRANSFORMERS FOR TESTING PURPOSES

- Standard (precise, reference) current and voltage transformers
- High voltage test transformers and high current sources
- High voltage compensating reactors

OTHER PRODUCTS

- Current transformers for transformer bushings
- Current and voltage transformers for GIS up to Um 420 kV
- Low voltage epoxy resin instrument transformers for Um 0,72 kV



OUTSTANDING FEATURES

Our transformers have always showcased a number of unique advantages:

- Ferroresonance immunity of voltage transformers
- Inherent internal arc safety
- On line monitoring feature
- Partial discharge free
- Tailor made design

MANUFACTURING CAPABILITIES

Annual capacity is currently set at:

- HV oil insulated transformers - 4.000 pcs
- MV & LV epoxy resin insulated transformers - 10.000 pcs

Each transformer is assembled, processed and manufactured in our native factory. The active part, which is crucial for insulating and accuracy capabilities of the transformer, is manufactured with great care by our expert workers. To aid their expertise, our company has the following computer controlled equipment constantly at disposal:

- Wire winding machines
- Paper winding machines
- Core winding machines
- Epoxy resin vacuum casting system
- Sophisticated oil treatment system
- System for drying and vacuum impregnation



TESTING FACILITIES

Our testing facilities include dedicated high voltage and medium voltage laboratories, as well as several testing points for in-process control. The scope of these facilities is as follows:

- All routine tests on all instrument transformer types for Um up to 800 kV
- AC withstand power frequency voltage tests up to 1200 kV
- Internationally traceable accuracy class measurement
- Partial discharge (PD) measurement with < 2 pC external interference levels

QUALITY ASSURANCE

Our transformers are designed in compliance with IEC, ANSI/IEEE, GOST, AS, IS, CAN/CSA, and other relevant standards. Product quality is assured through the certified quality standard, ISO 9001, covering all aspects of design, production and testing. KONČAR-Instrument transformers Inc. is ISO 14001 and OHSAS 18001 certified, ensuring environmental and occupational health standards are met. And most importantly, our tireless ambition to satisfy customers has sealed long lasting quality and reliability onto our products.

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