ENERGOINVEST
Rasklopna Oprema a.d.

INDUCTIVE VOLTAGE TRANSFORMERS WITH SF_6 INSULATION FOR VOLTAGE LEVEL 123 kV - 145 kV
TYPE VTE

DESCRIPTION OF TRANSFORMER

- New generation of SF6 voltage transformer type VTE is the result of own knowledge, own technology and longtime experiences in manufacturing of SF6 insulated instrument transformers.

- The main characteristics of new generation SF6 voltage transformer family, type VTE are:

  - Gas SF6 as the main insulation
  - Porcelain or composite insulator as the external insulation
  - Synthetic sheet as insulation between layers
  - Electrode for dictate of potential on high voltage winding
  - Screening of magnetic core
  - Drastically reduced dimensions and weight
  - No ageing of insulation
  - No explosions
  - Minimum maintenance
  - Yearly gas leakage up to 0,5%
  - Insulation control through gas pressure control (on-line monitoring)

STANDARDS

Voltage transformers are in accordance with IEC, JUS, ANSI, BS or some other international standards upon request.

TO SPECIFY FOR AN ORDER

- Rated net voltage
- Rated frequency
- Rated secondary voltage
- Rated output
- Accuracy class
- Rated voltage factor
- Ambient temperature
- Creepage distance
- Seismic class request
- Attitude
- Standard

APPLICATION

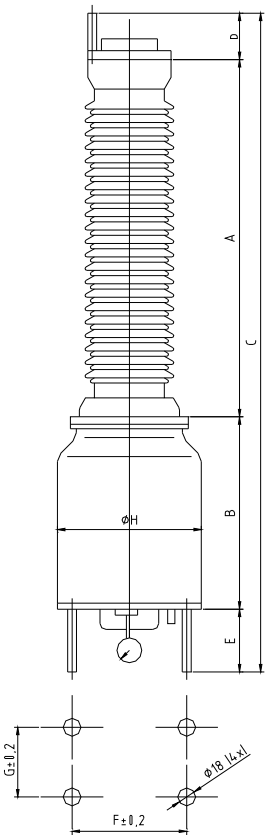
Voltage instrument transformers type VTE are used for separation of measuring and safety devices from high voltage as wee as for measuring voltages transformation to a level appropriated for mentioned devices.

UPON SPECIAL REQUEST

- Composite insulator
- Manometer with more than two signals (alarm - disconnection)
- Additional terminal for measuring – pressure control, with irretrievable valve
- More cable connectors on the secondary box
- Non - standard primary terminals
- Metal membrane

TECHNICAL CHARACTERISTICS

Type		Measure. Unit	VTE 123	VTE 145
Highest voltage for equipment		kV	123	145
One minute withstand voltage		kV	230	275
Impulse withstand voltage (1,2/50μs), full wave		kV	550	650
Rated frequency		Hz	50or 60	
Flashover distance(minimum)		mm	1280	
Creepage distance		mm	4539	
Rated primary voltage		kV	$100/\sqrt{3} \div 110/\sqrt{3}$	$100/\sqrt{3} \div 132/\sqrt{3}$
Power output		VA	30-150	30-150
Accuracy class			Measurement 0,2 – 0,5 – 1; Protection: 3P – 6P	
Over voltage factor			1,5Un/30 sec or upon request	
Rated secondary voltage		V	$100/\sqrt{3} \div 110/\sqrt{3}$ or upon request	
Tertiary winding		V	100/3 ÷ 110/3 or upon request	
Number of secondary windings			1 ÷ 2	
Dimensions	A	mm	1440	
	B	mm	738	
	C	mm	2548	
	D	mm	170	
	E	mm	200	
	F	mm	366	
	G	mm	307	
	H	mm	500	
Rated gas pressure at 20^0 C		bar	4	
Mass		kg	420	
Ambient temperature		^{0}C	up to–40 up to +40	



Note:
All data contained herewith are to be considered as information only.
The manufacturer reserves all rights for changes for the purpose of technical improvement.
A list of guaranteed values with dimension drawing attached should be submitted upon Customer's request.

Bosnia and Herzegovina – Republic of Srpska, 71123 I. Sarajevo, Vuka Karadžića 17

Switchboard: +387 (0) 57 342 180, Director:+387 (0) 57 342 549, 343 354, Commercial Director: +387 (0) 57 340 353,342 326

Telefax: +387 (0) 57 340 357, 340 356, e-mail:office@e-raop.com