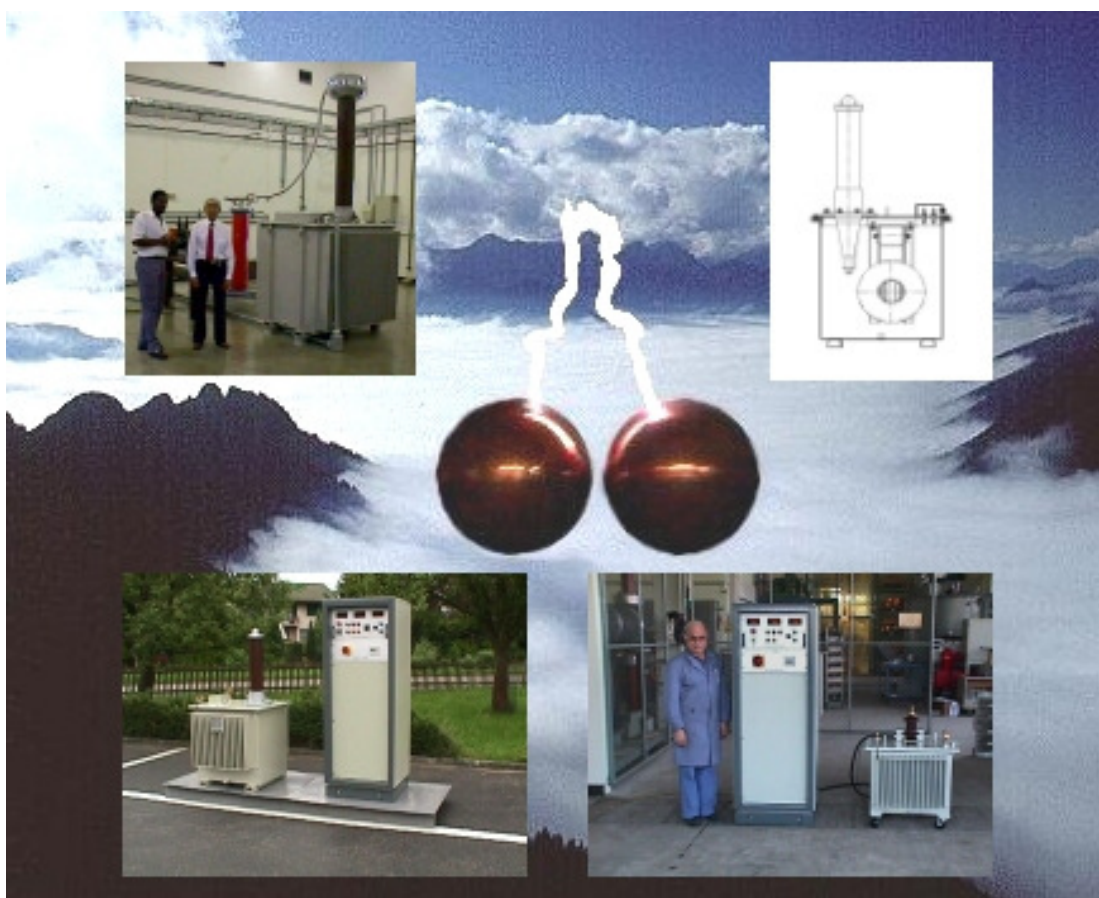


## ***Tank Type Test Transformer Systems***



**THE ADVANCED SOLUTION FOR  
HIGH VOLTAGE AC TESTING**

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## Tank Type Test Transformer Systems

### Application

Tank type test transformer systems are used as high voltage source for dielectric testing of high voltage components such as

- Power and Distribution Transformers
- Cables, Cable Terminations and Joints
- Capacitors and Bushings
- Instrument Transformers
- Motors and Generators
- Insulators and Switchgears

They can be used for potential tests, C-tan $\delta$ -measurements and partial discharge measurements as well.

Also special tests as wet tests, pollution tests and outdoor testing are a typical application for tank type test transformer systems.

### Design of Components

#### Test Transformer

The single phase, oil insulated test transformer is built-in a hermetical closed corrugated tank with a high voltage bushing. The bushing is equipped with a capacitive tap for the high voltage measurement.

#### Regulating Transformer

An air or oil insulated, column type regulating transformer excites the high voltage test transformer.

#### Control Unit

Either robust relay based control units or modern computer control units can be delivered.

The latter provides the possibility of

- Automatic sequence testing
- Data transfer to host computers
- Automatic test protocol generation
- Setting of high voltage trips

### List of Transformers

Type	Voltage	Contin. Power Sn	Output Power at Duty 1) X x Sn					Primary Winding (continuous)	Secondary Winding (continuous)	Dimensions L x B x H (mm)
			1	2	3	4	5			
TEO 10-10	10kV	10kVA	2.0	1.9	1.4	1.6	1.5	400V 25A	10kV 1A	650x685x1000
TEO 10-25	25kV	10kVA	2.0	1.9	1.4	1.6	1.5	400V 25A	25kV 0,4A	650x685x1100
TEO 25-25	25kV	25kVA	2.0	1.9	1.4	1.6	1.5	2x400V 32A	25kV 1A	775x655x1150
TEO 10-50	50kV	10kVA	2.0	1.9	1.4	1.6	1.5	400V 25A	50kV 0.2A	650x685x1150
TEO 25-50	50kV	25kVA	2.2	2.0	1.6	1.8	1.7	2x400V 32A	50kV 0,5A	880x760x1400
TEO 50-50	50kV	50kVA	2.4	2.1	1.7	1.9	1.9	1x400V 63A 2x200V 63A	50kV 1A	960x840x1500
TEO 10-75	75kV	10kVA	2.0	1.9	1.4	1.6	1.5	400V 25A	75kV 0.13A	760x790x1655
TEO 25-75	75kV	25kVA	2.2	2.0	1.6	1.8	1.7	2x400V 32A	75kV 0,33A	880x760x1500
TEO 50-75	75kV	50kVA	2.4	2.1	1.7	1.9	1.9	1x400V 63A 2x200V 63A	75kV 0,67A	960x840x1600
TEO 75-75	75kV	75kVA	2.2	2.0	1.6	1.8	1.7	1x400V 94A 2x200V 94A	75kV 1A	960x840x1600
TEO 10-100	100kV	10kVA	2.0	1.9	1.4	1.6	1.5	400V 25A	100kV 0.1A	760x790x1655
TEO 25-100	100kV	25kVA	2.2	2.0	1.6	1.8	1.7	2x400V 32A	100kV 0.25A	880x760x1600
TEO 50-100	100kV	50kVA	2.4	2.1	1.7	1.9	1.9	1x400V 63A 2x200V 63A	100kV 0,5A	960x840x1600
TEO 75-100	100kV	75kVA	1.7	1.5	1.2	1.3	1.3	1x400V 94A 2x200V 94A	100kV 0.75A	960x1140x 1600
TEO 100-100	100kV	100kVA	2.1	1.8	1.5	1.7	1.6	1x400V 125A 2x200V 125A	100kV 1A	940x1355x 1900
TEO 75 - 150	150kV	75kVA	2.2	2.0	1.6	1.8	1.7	1x400V 94A 2x200V 94A	150kV 0,5A	1220x1295x 2300
TEO 150-150	150kV	150kVA	2.1	1.8	1.5	1.7	1.6	1x400V 188A 2x200V 188A	150kV 1A	1220x1295x 2300
TEO 100-200	200kV	100kVA	2.1	1.8	1.5	1.7	1.6	1x400V 125A 2x200V 125A	200kV 0,5A	940x1355x 1900

1) Duty:	1:	15 min ON,	60 min OFF,	6x per day
	2:	30 min ON,	60 min OFF,	4x per day
	3:	60 min ON,	60 min OFF,	6x per day
	4:	60 min ON,	120 min OFF,	3x per day
	5:	60 min ON,	120 min OFF,	4x per day

Other voltages, currents and duties on request!