



Single-phase gas-filled test transformer (IOG-200-II) is designed for testing electric switching module and conditioning vacuum arc chutes. The transformer can also be used for testing other electrical equipment with short-term 50 Hz high voltage.

This transformer is featured with fire- and explosion safety, relatively small overall dimensions and mass. It practically has no any harmful environmental effect, is resistant to repeated impacts of mechanical and climatic factors during transportation.

The transformer is practically maintenance-free

Due to high values of PD ignition voltage the transformer can be used for tests with PD measurement.

Main parameters and characteristics of the transformer:

TECHNICAL CHARACTERISTICS

Name of parameters	Units of measurement	Value
Rated primary voltage	V	200
Rated transformation ratios		1000,500,250,125
Rated secondary voltages (correspond to transformation ratios)	kV	200,100,50,25
Rated capacities of transformer (correspond to transformation ratios)	kVA	40,20,10,5
PD extinction voltage, min	kV	150
PD level at voltage of 150kV, max	pC	5
Rated frequency	Hz	50
Operating pressure of SF ₆ -gas at t=20 °C (excessive)	MPa	0.07

On agreement between the Manufacturer and the Customer the above parameters and characteristics can be changed.

At the Customer's request a capacitance voltage divider and coupling capacitor can be built-in into the transformer, providing the following: measurement of high voltage applied to the test object; measurement of PD, capacitance and loss-angle tangent in insulation of the test object.

Test installation

At the Customer's request the test transformer can be completed with regulating transformer, switching equipment, line filter, measuring instruments, connection wires and cables which provide



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SF₆ - INSULATED TEST TRANSFORMER IOG-200-II

performance of power frequency voltage tests, including measurement of HV applied to the test object, its capacitance, loss-angle tangent and partial discharges.



ISO 9001

BUREAU VERITAS
Certification

№ UA227992



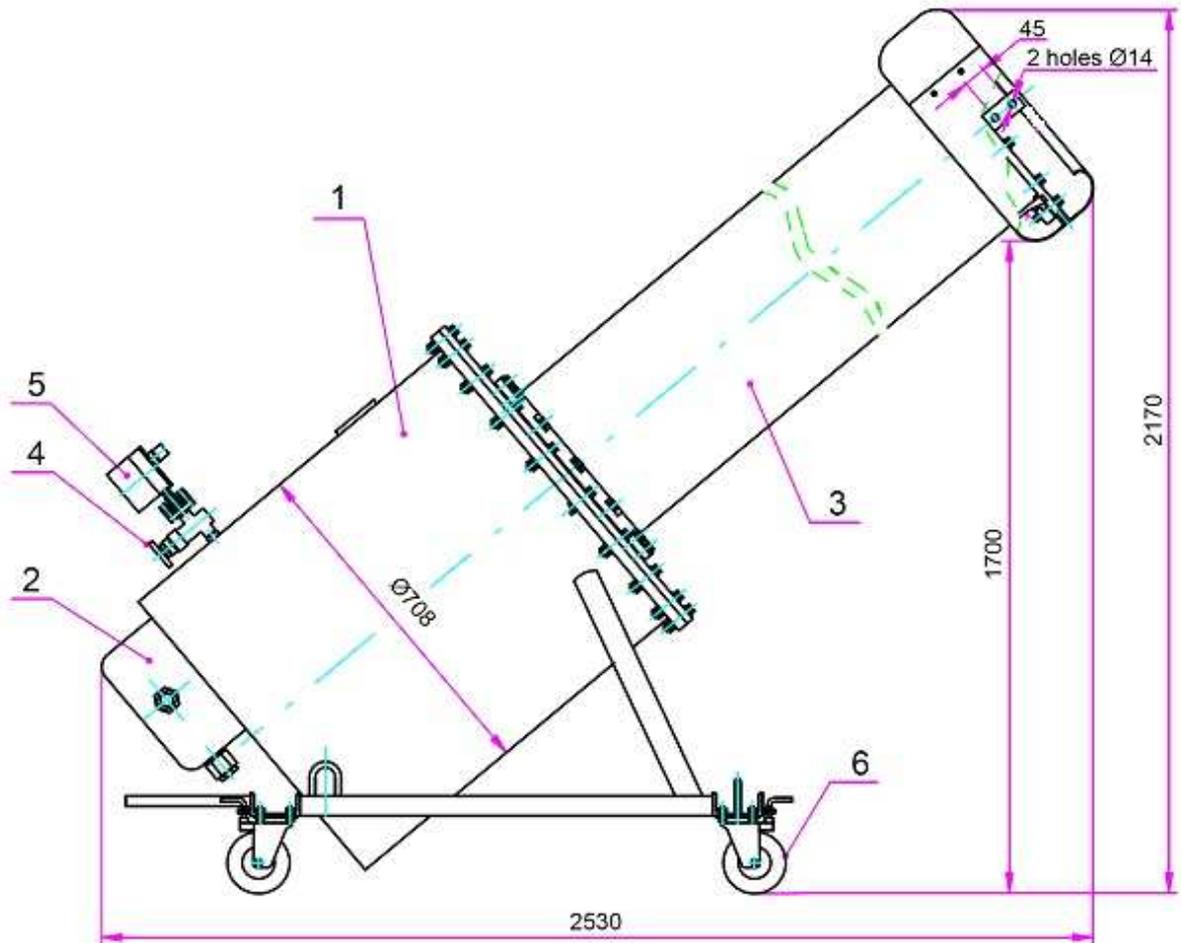
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1 - tank; 2 - cover; 3 – glass-epoxy cylinder; 4 – bellows valve; 5 – pressure gauge; 6 – roll.

Figure - SF₆ – insulated test transformer IOG-200-II