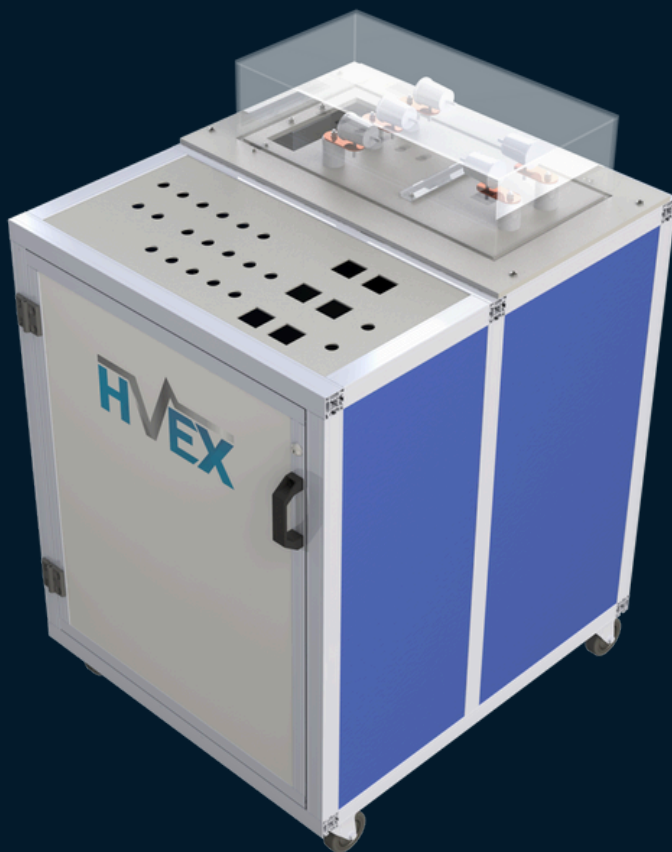


TOV

TRANSIENT OVERVOLTAGE TEST SYSTEM



TOV

Description

Transient overvoltages (TOVs) consist of undamped or weakly damped voltage oscillations (phase-to-ground or phase-to-phase) of relatively long duration, which can be caused by various factors such as grounding faults, load rejection, resonance and ferroresonance, transformer energization, etc.

Given the potential stress that a TOV can exert on equipment, it is convenient to verify the withstand capability of the equipment against these overvoltages according to standardized tests.

For this purpose, HVEX offers a complete system for transient overvoltage testing on surge protection devices in its product catalog. It is noteworthy that HVEX's system is designed according to customer requirements.

Advantages:

- Personnel training
- Better cost/benefit ratio
- Two-year warranty
- Brazilian manufacturing

Benefits

Project Customization:

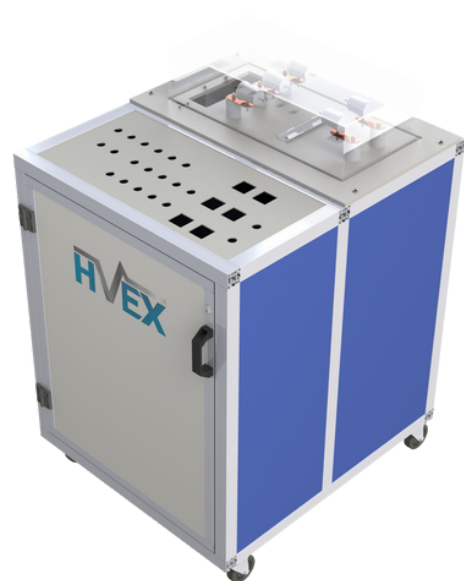
HVEX always works with the possibility of customizing the equipment to meet specific application requirements and demands. In this way, adaptations can be made according to the customer's needs.

Application Variability:

At the customer's discretion, HVEX provides the testing system for TOVs caused by faults in both high and medium voltage systems, as well as for TOVs caused by faults in low voltage systems, following standardized procedures in accordance with ABNT NBR IEC 61643-1.

Supply:

- TOV testing module
- Power transformer
- TOV source



Technical Specifications

Power supply	220 V / 60 Hz
Power Transformer	Primary: 220 V; Δ connection
	Secondary: 127/220/380 V; Y connection
	Power: 12,5 kVA
TOV Transformer	Type: Three-phase
	Primary: 73/127/220 V
	Secondary: 1200 V
Maximum current during test	Power: 5 kVA
	5x the rated current specified for the SPD or 300 A (limitation by NH type fuse)
Test object	Single-phase or three-phase low voltage SPDs
Environmental conditions	
Temperature	< 75 °C
Relative humidity	< 95% non-condensing (indoor use)
Altitude	< 1000 m.

We provide solutions for improvement of electrical energy generation, transmission and distribution efficiency, quality and reliability. With a highly specialized and experienced team in research, development and innovation, HVEX develops tailor-made solutions for Brazilian and foreign markets. Wide range of products with solutions focused on signal transduction, measurement, monitoring and protection.



Boosting the Innovation



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