



**PARTNERS
FOR HV
& EMC
SOLUTIONS**

IMPULSE TEST EQUIPMENT



**YOUR SOURCE FOR TOP
QUALITY TEST EQUIPMENT**

www.hvtechnologies.com



HAEFELY

Current and voltage – our passion

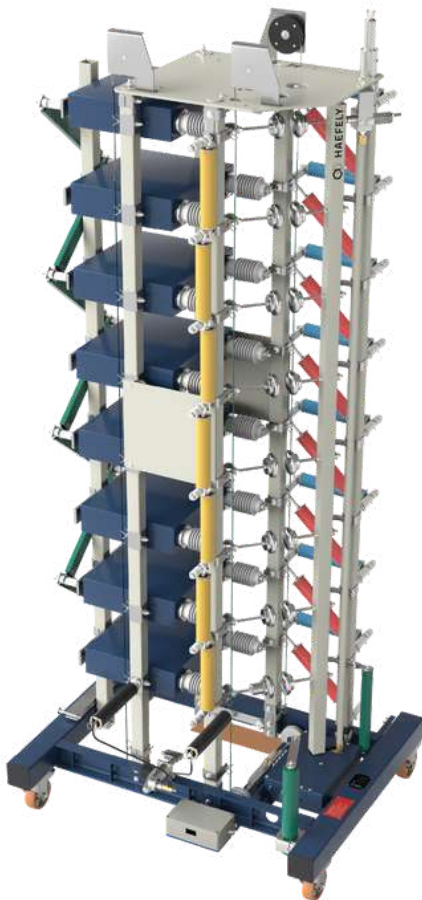
Impulse Voltage & Current Generators

IMPULSE TEST EQUIPMENT FROM HAEFELY UNMATCHED IN QUALITY, REPUTATION, AND TECHNOLOGY

Haefely is the international leader in high voltage impulse voltage and current test equipment. Impulse voltage test systems are designed to generate impulse voltages that simulate lightning strikes and switching surges. They are a perfect solution for carrying out impulse tests on power and distribution transformers as well as power cables, switchgear, and bushings. Impulse current generators are used primarily for surge arrester testing as well as testing building protection elements, airplanes, helicopters, and wind turbine blades.

Type SGSA

Voltages: 100 to 1,200 kV
Stage Energy: 5 kJ



Type SGDA

Voltages: 200 to 3,000 kV
Stage Energy: 5 or 10 kJ



Type SGVA

Voltages: 400 to 10,000 kV
Stage Energy: 20 or 30 kJ



Contact HV TECHNOLOGIES, Inc. for additional product information.



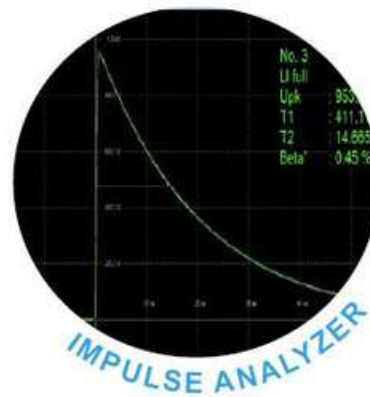
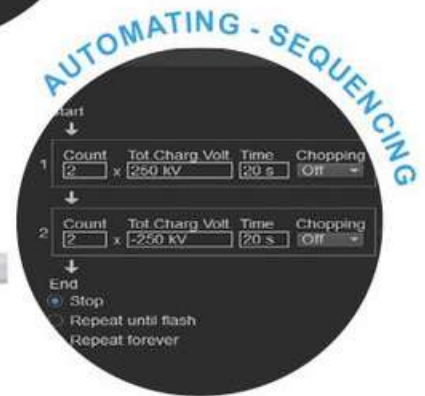
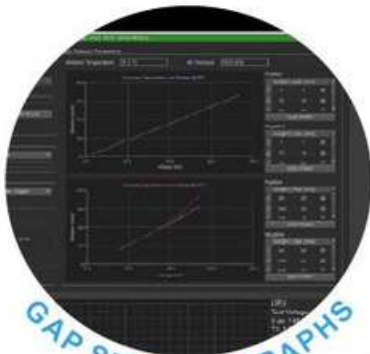
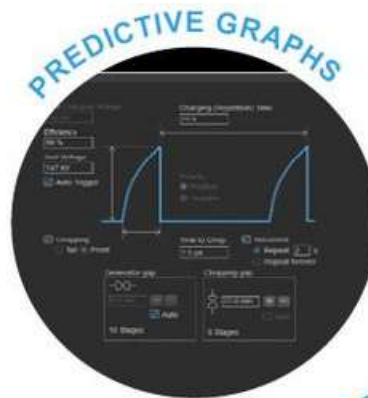
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HVC 300 Generator Control

HVC 300 - THE LATEST GENERATION OF IMPULSE CONTROLS

The HVC 300 is a continuation of a long line of highly successful Haefely impulse control systems. Rugged fiberoptic cables are connected to the hardware in the test field to allow for the highest safety level. The complete galvanic separation protects operators and equipment in the control room. A new and modern software with intuitive user interface allows for simple automated impulse testing.



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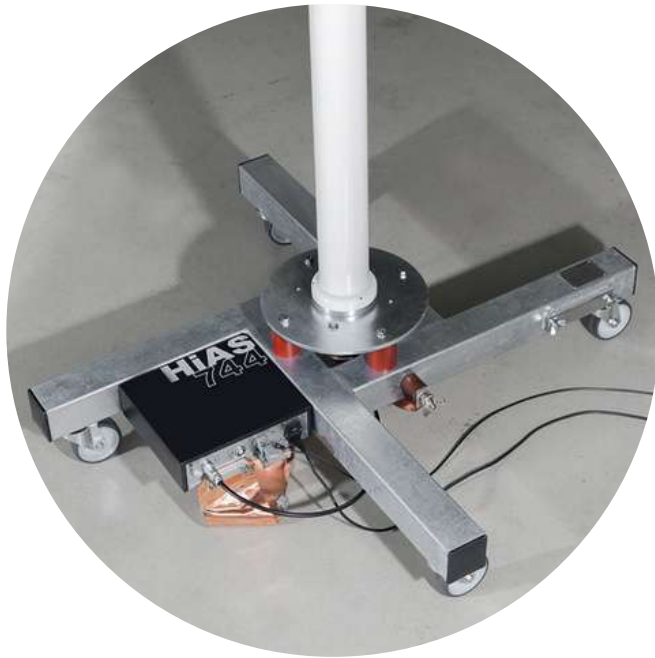


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HiAS 744 Measurement Systems

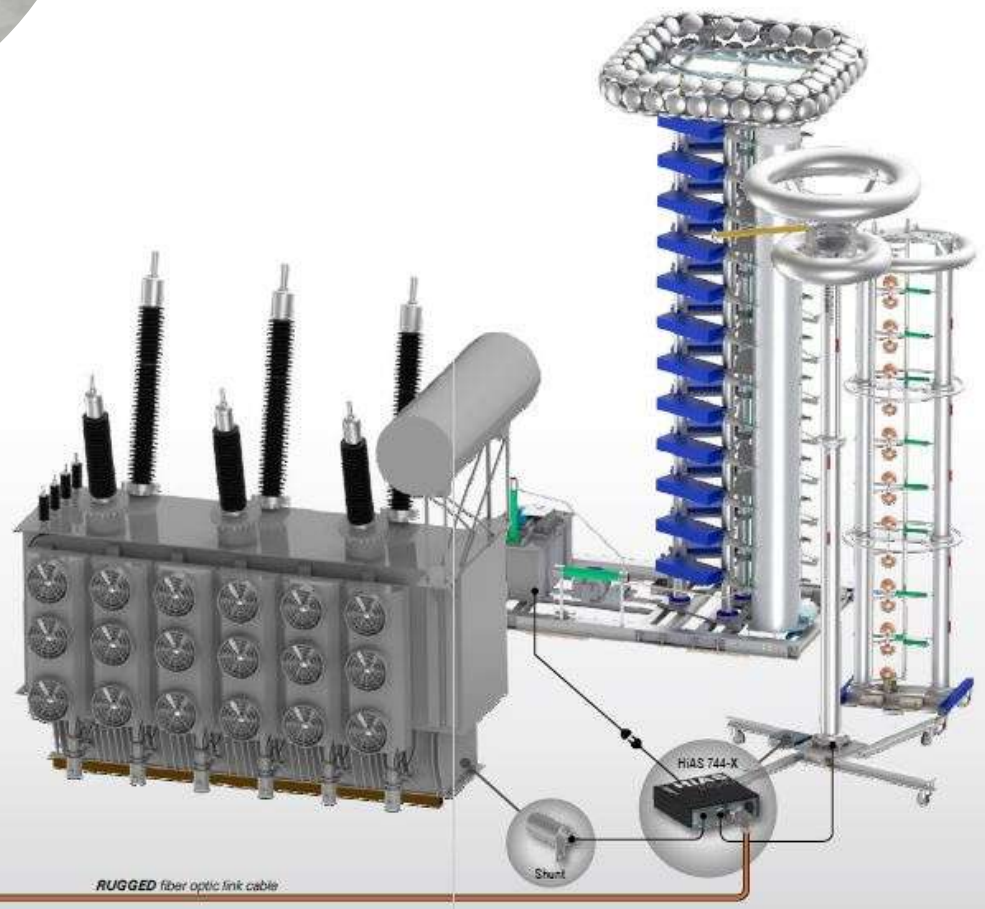
HIAS 744 - HIGHEST RESOLUTION IMPULSE ANALYZER



State-of-the-art impulse analyzing system with 11-bit or 16-bit models boasting the highest measurement accuracy in the market. The HiAS 744 can be attached to the base of the voltage divider as an optically decoupled "front-end" solution with rugged fiberoptic cables that provide excellent interference immunity and operator safety.

HiAS 744: 11 bit, 125 MS/s, 1 or 2 channels

HiAS 744-S: 16 bit, 250 MS/s, 2 channels (expandable to 4)



Contact HV TECHNOLOGIES, Inc. for additional product information.



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Chopping Gaps & Voltage Dividers



Chopping Gaps

Chopping gaps are an important part of a complete impulse voltage measuring system when chopped wave impulse is required.

MAFS Multiple Chopping Gap

A patented Haefely design used to chop lightning impulses on the front and on the tail as well as switching impulses up to the highest voltages. Excellent reproducibility of chopping times and distortionless wave shapes are achieved. Automatic adjustment of the sphere distance is possible with Haefely controls. The use of the highest quality of materials and tungsten sintered sphere inserts ensure a long service lifetime.

KFS Vertical & Horizontal Sphere Gaps

Sphere gaps are typically used to chop lightning impulses below 1000 kV. The horizontal design allows for manual adjustment of the sphere gap with a precision scale. The motorized vertical design includes a sphere drive placed on the base frame.



Impulse Voltage Dividers

An impulse voltage divider reduces the impulse voltage to a value that measurement systems can use.

CS Series - Damped Capacitive Dividers

Used to measure full and chopped lightning impulse up to 1,000 kV, switching impulse up to 750 kV, and AC voltages up to 300 kV.

CR Series - Damped Capacitive Dividers

Used to measure full and chopped lightning impulse up to 4,000 kV, switching impulse up to 3,300 kV, and AC voltages up to 1,000 kV.

RT Series - Resistive Dividers

Ideal for full and front-chopped lightning or impulse voltages with steep wave fronts up to 3,000 kV.

REF Series - Reference Dividers

Used for comparative measurements while calibrating measuring systems or for normal measurements. The RCZ series dividers can measure lightning up to 800 kV, switching up to 600 kV, AC up to 250 kV, and DC up to 375 kV.

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Impulse Accessories



Impulse Current Measuring Shunts

Used for the measurement of impulse currents. They consist of a metal cylinder with coupling flanges and coaxial measuring connector.

Three different construction types are available depending on the current value to be measured:

- Type SH-H Sleeve Shunt
- Type SH-Q Cage Shunt
- Type SH-R Tubular Shunt



RSG 482 Recurrent Surge Generator

Bench-top, one stage, low voltage equivalent of a high voltage impulse generator. Its wide range of applications includes the testing of models, the study of voltage distribution in high voltage windings during impulse voltage stresses, and the predetermination of the circuit parameters of impulse test plants.



RIC 422 Reference Impulse Calibrator

Used for the supervision and calibration of all kinds of impulse measuring systems with the highest accuracy. The calibrator generates Lightning (LI), Switching (SI) and front-chopped Lightning (LIC) reference impulses according to the standards IEC 61083 and IEEE 1122.



RM 430 Ratio Meter

Used for the measurement and check of the transformation ratio of voltage dividers. The instrument measures the real transformation ratio taking into consideration the influence of the surroundings and including the effect of the measuring cable.



USG 40 Unit Step Generator

Emits recurrent rectangular pulses with rise times of less than 5 ns using a DC source between 60 and 300 V. Its main application is the determination of the transfer characteristics of voltage dividers and shunts according to IEC 60060-3.



Company Profile

HV TECHNOLOGIES, INC. - THE EXCLUSIVE DISTRIBUTOR AND SERVICE CENTER FOR HAEFELY HIGH VOLTAGE TEST SYSTEMS IN USA

KNOWLEDGE, TRUST & EXPERTISE



We are a US-owned and operated business established in 1998 by professionals with decades of industry experience. Our dedicated and skilled staff strives to provide the most accurate and precise test and measurement equipment and support available to our customers through our strategic partnership with industry leading manufacturers. This allows our customers to increase their product's quality, reliability and safety.

COMMITMENT TO QUALITY



ISO 9001



CERT #5102.01

ISO 9001 certified quality management processes highlight our commitment to quality. Our staff fully embraces the concept of quality through continual improvement. We strive to provide our customers a consistent and rewarding experience from our products and services and continued customer satisfaction is the ultimate goal of our quality management system.

LOCAL SERVICE, SUPPORT & CALIBRATIONS



We have built our reputation on providing superior services and assistance to our customers. Our **A2LA ISO 17025** accredited calibration laboratory further highlights our commitment to providing the best services available. Our experienced service engineers span the globe, providing repair, calibration, installation and training for all the solutions we provide. Our goal is your satisfaction with every interaction with our company.

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