IMPULSE TEST EQUIPMENT

PARTNERS FOR HV & EMC SOLUTIONS

YOUR SOURCE FOR TOP QUALITY TEST EQUIPMENT

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

Type SGDA
Voltagess: 200 to 3,000 kV
Stage Energy: 5 or 10 kJ

Type SGVA
Voltagess: 400 to 10,000 kV
Stage Energy: 20 or 30 kJ

Contact HV TECHNOLOGIES, Inc. for additional product information.
HVC 300 - Haefely's 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.

GC 257 Impulse Generator Control
An EMC-hardened industrial PC and desk control system specifically designed for the needs of impulse testing. The easy and intuitive Windows control software systems allows simple setup of impulse parameters, customized test procedures, and automatic report generation.

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

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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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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 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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