



## TEST EQUIPMENT RENTAL SERVICES

When you rent Test Equipment from TDC, we want you to know that you will have a dedicated personal service from start to finish. Our Customer Service team is here to support you throughout your rental period.

TDC are independent specialists promoting all high quality manufacturers and instrument types. Equipment can be delivered Next Day or Same Day to suit your requirements.

When you are finished, simply contact us to arrange your equipment collection or alternatively you can despatch it back to us – we make it easy.

## RENTING FROM TDC JUST MAKES SENSE

By using TDC Test Equipment Rental Solutions, you benefit from our extensive rental inventory that is second to none. We constantly refresh our equipment range with branded equipment manufacturers such as Megger, FLUKE, Chauvin Arnoux, OMICRON, FLIR, b2 HVA, Agilent Technologies, Dranetz BMI, Fujikura, JDSU, Ametek Jofra, GE DRUCK, RAE Systems, TSI Airflow, Rohde & Schwarz, NORBAR, PANAMETRICS, Tektronix and many more.

You can utilise our rental equipment to suit your own requirements, from one week to as many months as you need. You only pay for what you use down to the day. Renting with TDC is straightforward and easy. Our expert Sales and Applications Engineers will find the best solution to suit your application.

Delivery & Collection is arranged by us - we make it hassle free and easy.

## TDC 6 POINT RENTAL GUARANTEE - OUR REPUTATION MATTERS



### 1 SAME DAY DISPATCH

Many of our customers operate to very strict deadlines. Providing the order is placed and confirmed before 3pm, your equipment will be despatched the same day.



### 2 QUALITY

All Equipment is checked prior to dispatch to ensure it is servicable and in safe working order. Certification checks are standard.



### 3 SUPPORT

We will provide you with enough information to make an informed choice of the correct equipment required for your application.



### 4 PRICE

We offer a simple price match promise. We'll match any genuine competitor quote.



### 5 CUSTOMER SERVICE

We can promise that throughout your rental period, we will do our utmost to provide you with the best customer service. All information we provide is in good faith and free of charge. We will provide a quote for any consultancy or professional advice that may be required.



### 6 REPUTATION

We know we are only as good as our last job. We don't just want regular customers - we want to build loyal customers.



For all enquiries, please contact: Gordon Thow (Test Equipment Rental Manager)

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**TEST EQUIPMENT RENTAL SERVICES**

## **HVA60 VLF High Voltage Test Set**

**Datasheet**

- VLF
- DC
- Jacket/Sheath
- Fault conditioning

# HVA60

## Portable and universal VLF High Voltage Test Set

### Large output load capability up to 10 $\mu\text{F}$ <sup>1</sup>

The high power HVA60 Test System is capable of testing cables up to 3,300 m (1  $\mu\text{F}$  at 0.1 Hz and 44 kV rms).

The variable output frequency allows the testing of even much longer cables. At 10  $\mu\text{F}$  – 0.01 Hz and 44 kV rms a length of approx 33,000 m can be tested (see technical data).



Type	HVA60	
Article number	SH0203	
Input Voltage	110 – 240 V 50/60 Hz (1.5 kVA)	
Output Voltage	Sinusoidal	0 – 62 kV peak, 44 kV rms
	DC	$\pm 0$ – 60 kV
	Squarewave	60 kV
	Accuracy	$\pm 1\%$
	Resolution	0.1 kV
Output Current	0 – 40 mA (Resolution 1 $\mu\text{A}$ ) Accuracy: $\pm 1\%$	
Resistance Range	0.1 M $\Omega$ ...5 G $\Omega$	
Output Frequency	0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection	
Output Load	1.0 $\mu\text{F}$ @ 0.1 Hz @ 44 kV rms (Approx 3,300 m of cable) <sup>2</sup> 2.0 $\mu\text{F}$ @ 0.05 Hz @ 44 kV rms (Approx 6,600 m of cable) <sup>2</sup> 5.0 $\mu\text{F}$ @ 0.02 Hz @ 44 kV rms (Approx 16,600 m of cable) <sup>2</sup> 10 $\mu\text{F}$ maximum Capacitance! <sup>1</sup>	
Output Modes	AC (VLF) Symmetrical and load independent across full range, DC (plus or negative polarity), Burn-/ Fault Condition or Fault Trip Mode, Jacket / Sheath Testing	
Safety	50 Hz 12 kV Feedback Protection / Discharge unit	
Memory	50 Test Records Stored	
Metering	Voltage an Current (True rms and / or peak), Capacitance, Resistance, Time, Flashover Voltage	
Duty	Continuous! No thermal limitation for operating time.	
HV Cable	5 m with Alligator clamps on end (other options available on request)	
Software	„HVA Control Center“	
Computer interfaces	RS232	•
	USB	Flash Drive (Option)
Environmental conditions	Storage: -25°C to + 70°C, Operating: -5°C to + 45°C	
Dimensions L x W x H	450 x 340 x 520 mm	
Weight	57 kg	
Upgrades (Optional)	Tan Delta TD60 and Partial Discharge System PD60	

<sup>1</sup> At lower frequency and voltage

<sup>2</sup> Based on a typical cable: 300 pF/m

b2 High-Voltage  
is a business division of  
**b2 electronic GmbH**

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DHV1210 Rev01  
ENGLISH

Subject to alternations-  
Errors excepted  
Illustrations are not binding



AC/DC Motors & Generators



Electrical Engineering



Mechanical Engineering



Condition Monitoring



Precision Machining



Marine Electronics



Elec & Mech Product Supply



Calibration and Rental Services



Quality Coatings



Transformers



Control Panels



Compressors



Auxiliary Power Systems

To differentiate our organisation in order to achieve continuous, sustainable growth, TDC endeavours to fully understand and exceed the expectations of our customers, and to work proactively to deliver **Engineering Excellence**.



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