

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

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DATA-SHEET



Nationwide Low Call
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WHY BUY
WHEN YOU CAN HIRE

- VLF
- DC
- Jacket/Sheath
- Sheath Fault Location mode³
- Fault conditioning
- DDD®
Dual Discharge Device (internal)
- USB Data Transfer

b2 High-Voltage
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DHV1235 Rev01
ENGLISH

Subject to alternations-
errors excepted

HVA94

Compact and universal VLF High Voltage Test Set

Large output load capability up to 10 μF ¹

The high power HVA94 Test System is capable of testing cables up to 3,300 m

- 1 μF at 0.1 Hz and 64 kV rms
- 0.75 μF at 0.1 Hz and 66 kV rms.

The variable output frequency allows the testing of even much longer cables. At 10 μF – 0.01 Hz and 64 kV rms a length of approx. 33,000 m can be tested (see technical data).



Type	HVA94	
Article number	SH0211	
Input Voltage	210 – 240 V 50/60 Hz (3.0 kVA)	
Output Voltage	Sinusoidal	0 – 94 kV peak, 66 kV rms
	DC	± 0 – 90 kV
	Squarewave	90 kV
	Vacuum Bottle	90 kV
	Accuracy	± 1 %
	Resolution	0.1 kV
Output Current	0 – 65 mA (Resolution 1 μA) Accuracy: ± 1 %	
Resistance Range	0.1 M Ω ...5 G Ω	
Sheath Test	U _{max}	10 kV
	Duration	1 min – 15 min
	Trip Current	0.1 mA – 5.0 mA
Sheath Fault Location ³	Un _{max}	10 kV
	Duration	1 min – 60 min
	Pulse/Period	1:3 / 4 s, 1:5 / 4 s, 1:5 / 6 s, 1:9 / 6 s
Output Frequency	0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection	
Output Load	0.75 μF @ 0.1 Hz @ 66 kV rms (Approx 2,500 m of cable) ² 1.0 μF @ 0.1 Hz @ 61 kV rms (Approx 3,300 m of cable) ² 1.2 μF @ 0.01 Hz @ 57 kV rms (Approx 4,000 m of cable) ² 10 μF @ 0.01 Hz @ 23 kV rms (Approx 33,000 m of cable) ² 10 μF maximum Capacitance! ¹	
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	7.5 m with Alligator clamps on end (other options available on request)	
Software	„HVA Control Center“	
Computer interfaces	RS232	•
	USB	•
Environmental conditions	Storage: -25°C to + 70°C, Operating: -5°C to + 45°C	
Dimensions L x W x H	650 x 445 x 610 mm (Excl. Carry Handle), also as 19" version available	
Weight	128 kg	
Upgrades (Optional)	Tan Delta TD90-MC, Partial Discharge System PD90-2 / PDTD90-2	

¹ At lower frequency and voltage

² Based on a typical cable: 300 pF/m

³ In combination with locator set (not in scope of supply)

INLEC, supporting you to deliver a world class service, every day, in every sector ...



OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

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Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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