

## VLF TEST SETS FOR HIRE

CALL +44 (0)1424 205140  
or write to [hvtest@drallim.com](mailto:hvtest@drallim.com)

CE



Two piece design for improved portability

It is now well recognised that DC testing may have limited ability to expose many types of cable defects, and that it can also precipitate damage to the solid dielectric insulation of cables, causing premature failure of the cable under normal post-test service conditions. Because of this, many of the major power utilities and high voltage cable operators, worldwide, are increasingly embracing the emerging effectiveness of VLF testing.

**Drallim Industries** are the exclusive representatives for **HV Inc** in the United Kingdom and Ireland. Widely recognised as one of the world leaders in VLF testing, **HV Inc** offer reliable and affordable field VLF test equipment, having sold test units in over 50 countries in the last 10 years.

**HV Inc** offer VLF Test sets in a wider range of operating voltages, than any other global manufacturer, ranging from 28kV up to and including 200kV, supplying load capacities between 0.4 $\mu$ F and 50 $\mu$ F. All equipment is CE marked.

If you are interested in hiring a wide range of VLF equipment, at highly competitive prices, or are simply want exploring this emerging cable test technology, we will be pleased to hear from you.

**Contact Drallim HV Test Sales**  
on **+44 (0)1424 205140**,  
or write to [hvtest@drallim.com](mailto:hvtest@drallim.com)

**Drallim Industries Limited**  
Millwood House, Drury Lane,  
Ponswood Industrial Estate,  
St. Leonards on Sea,  
East Sussex. TN38 9BA  
United Kingdom

**T** 44 (0) 1424 205140  
**F** 44 (0) 1424 202140  
**E** [email@drallim.com](mailto:email@drallim.com)  
**W** [www.drallim.com](http://www.drallim.com)



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### Benefits of HV Inc VLF AC Hipots

- All models feature true sinusoidal wave output.
- Waveform shape is independent of load capacitance up to maximum load.
- Highest load ratings available.
- Highest Voltage models available.
- Simple and easy operation.
- Portable and Affordable.
- AC testing does not degrade cable insulation.
- Harmful Space Charges are not injected into the cable insulation.
- No travelling waves are generated during testing.
- BNC scope o/p for waveform viewing.
- Rugged and reliable design, less prone to failure from transients.
- Much easier to service than units with solid state design.

### Advantages of VLF Testing

**Portability of Test Set:** VLF test sets use between 0.02% - 1% of the power of AC test sets, enabling them to be mounted on small hand carts, for easy portability, compared with AC test sets which typically are required to be driven from high power engines (as much as 450HP!) and need to be located on purpose built trucks.

**Extended Cable Life:** It is well known that effective DC testing of aged extruded XLPE and EPR cables can potentially shorten post-test life expectancy by as much as 50% compared with the post-test life time of a VLF tested cable.

**No Special Bespoke Power Required:** In most cases, lower power requirements enable the test units to obtain power from standard 240V 50Hz receptacles.

**Test Duration:** Higher voltages available with VLF testing enables complete tests to be performed more quickly.