

VERY LOW FREQUENCY (VLF) TESTING

VLF technology has been successfully applied to the testing of various electrical equipments . It follows IEEE400.2 standard. Use of right technique and tools are vital. AYT provides all the testing solutions to serve the customer and also to increase the life of the electrical assets.



HV Diagnostics is an ISO certified Swiss based company which provides the electrical industry with field proven, sophisticated and reliable electrical test equipment including high voltage DC and VLF (very low frequency) ,fully automatic oil tester, cable testing and diagnostics system etc.

HVDSA Is a leading supplier of electrical test equipment and also offer excellent technical support and provides specialized electrical testing services that includes cable fault location ,cable testing and diagnostics. They are equipped with best people, technology and resources. they are known for their quality products and on time delivery.

Very low frequency (<1 Hz) test techniques have been purposed since the turn of the century by engineers in the field of motors and generators. Until recently the technology was not available to manufacture test equipment to produce the required VLF power signals at competitive cost. VLF competes with DC test set at one end of the spectrum and with 50-300 Hz ac resonant test set at the other end of the spectrum .VLF offers an appropriate cost effective compromise between lower-cost, lower technology applications of DC voltages and the considerably higher cost. This test set are able to apply a range of low frequency test conditions to the device under test.

VLF test set is capable of providing the current required to drive the capacitive load presented by the device under test at the required test voltage and the required test frequency.

AYT provides online queries for the testing solutions for the customers and increase the life of electrical equipments. so, reducing maintenance cost and provides peace of mind.

AYT INTERNATIONAL LLC is a leading Marketing company of Testing and Measuring Equipments and provides all the testing solution under one roof. **AYT** provides all kind of Condition Assessment services of Electrical Equipment.

Note: All are invited to attend a presentation on very low frequency testing given by Mr. Daniel Salathe of HV Diagnostic, Switzerland on 13-15 December 2010.

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The above picture shows that there is no physical connection between pc and test kit ,since data transfer via Bluetooth.

Cable testing using VLF waveform is an accepted and standardized technique. many standard refer to this technique of testing with published methods and parameter to use. . Cable diagnostic testing is possible using VLF test sets where an indicator of overall health of the cable is now possible, cables can be easily and quickly tested and qualitative indication of their performance can be obtained.

Applications of VLF technology:

- **Cables**
- **Transformers**
- **Motors**
- **Generators**
- **Switchgears**

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