

HV/EHV Power Cables can now be Field Tested on – site with VLF PD & TD Diagnostic test techniques

HIGH VOLTAGE
VLF HIPOT INSTRUMENTS INC.



Field HV Withstand / Proof Tests with on-site Partial Discharge and Tan Delta Diagnostics

is now possible for HV Power Cable classes such as 69 / 110 /132/ 220 kV. By using a High Voltage, Inc. VLF -200CMF (0 to 200 kV AC , .1 Hz Sinewave Hipot) coupled with Power Diagnostix GmbH ICM Flex PD/TD Measurement Systems, useful diagnostic cable integrity evaluations can be made.

By using a VLF source instead of power frequency or resonant technology, tremendous test equipment cost

savings and on-site labor savings are possible while obtaining crucial information on these critical power delivery circuits. Cable loads up to 3.75 Microfarads can be tested utilizing one of three test frequencies - .1 Hz., .05 Hz. and .02 Hz.

VLF PD & TD diagnostics can provide cable system infrastructure assessments in terms of quantitative values for cable age related problems, installation damage, manufacturing defects, future reliability indicators such as water tree assessments and future performance conclusions to make critical decisions on replacement, rejuvenation or the need for new cable leg and splice segments.



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