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XDP Software

This software is used to manage the partial discharge recordings made with the XDP.

Software functions

This software permits :

- Transfer of the recorded signals from the XDP to a database with date and hour
- Consultation of the recordings by a simple selection in a table
- Sorting of the data by columns
- Graphic display of the selected partial discharge recording
- Listening to the recordings with the PC audio canal
- The addition of comments on the recordings
- Creation of reference signals, called signatures, from the most significant recordings
- Joining up to 10 signatures together, in order to create a reference file for the XDP
- Transfer of the reference files from the PC to the XDP
- Clearing the recordings from the XDP once they are downloaded on the PC



The dialog box 'Modification des paramètres d'enregistrement' contains the following fields and buttons:

- Date | Heure: 00 12:07 | 15 15:44
- Utilisateur: Simon Martin
- Site: #100-23-0089
- Description #1: Présence de décharges
- Description #2: point #23-09-099
- Description #3: Activité importante
- Commentaire: Rapport d'inspection # 100-23-0089-07021
- Buttons: OK, CANCEL, SUPPRIMER, SIGNATURE

The Partial discharge parameters window allows the user to personalize his recording by adding comments

Software display description

The interface is divided into three windows:

- The exploration window, in which the user browses the database to select his recordings according to many criteria
- The wave form window, which gives a graphic overview of the signal over 16 cycles
- The edge visualization window, which displays a very high frequency sampled signal (30MHz) in order to get a very precise idea of the wave form

Each of the three windows can be moved, resized or closed independently. By default, the visualizer displays the windows dividing the screen into three equal parts.

By clicking on the mouse's right button, the user is allowed to display or to hide a grid, a reference sinusoidal wave form and cursors that display the amplitude of the signal where they are moved, in percentage.

Minimum system requirements

Pentium 3
64 Megs RAM
Win98 and + O.S.
Soundcard required to listen to the recordings

Specifications

Number of recordings only limited by the available memory of the PC
As many XDPs as needed may be associated with one database



The XDP, connected to the computer:

The XDP can be connected to any computer using Windows.

The use of a portable computer allows the user to transfer his recordings and to comment them on site, within seconds.