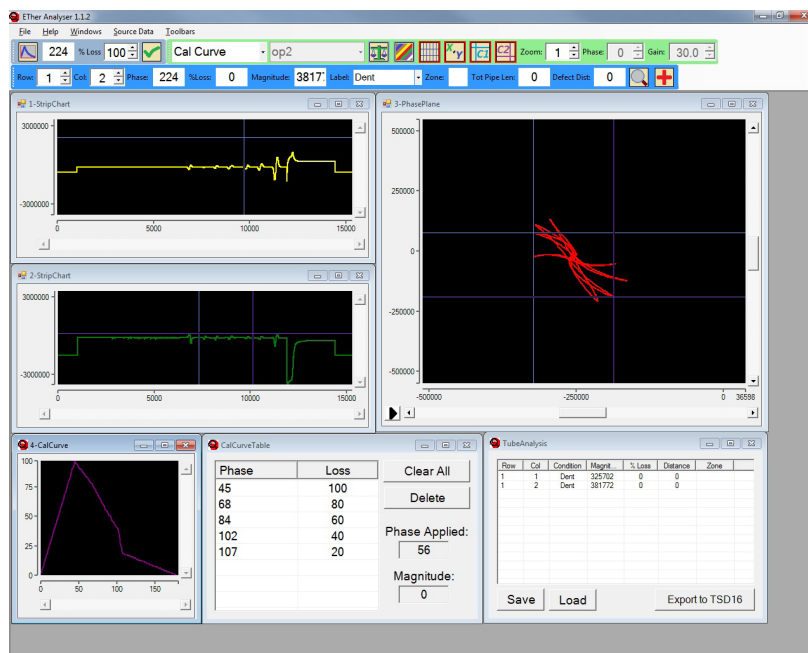


ETHERANALYSER

ADVANCED PC BASED EDDY CURRENT DATA ANALYSIS



ADVANTAGES

- **Modern And Familiar Windows Based Product**
- **Flexible, Simple User Interface. Graphs Can Be Created, Positioned And Resized To The Users Preference**
- **Developed On Newest Windows Platform**
- **Many Features For Tube Testing (See Other Side)**
- **Exports To Tsd16 & Multi-View**
- **Portable Use Perfect For Smaller Plants**
- **Cost Effective**
- **Data Can Be Phase Rotated, Balanced And Zoomed, With The Results Being Visible In Real-Time**
- **Outputs Or Parts Of A Graph Can Be Used As Inputs To New Displays, Allowing Chains Of Processing To Be Created**
- **All Future ETHER NDE Products Will Be Fully Compatible With ETHERANALYSER**

WHAT DOES ETHERANALYSER DO?

The ETHERANALYSER software from ETHER NDE is a PC application that is designed to process and display data that has been created with our equipment. ETHERANALYSER can currently work in conjunction with the ETHER NDE ETi-200 and VEESCAN and offers Eddy Current NDT professionals an analysing suite with high-end functionality effectively for free.

ETHER NDE noticed a trend in the market for expensive data analysis packages that are not cost effective for a smaller facility that has a smaller NDT testing workload. Therefore ETHERANALYSER was developed with this in mind. This niche product is offered for free with any purchase of an ETHER NDE ETi-200 or VEESCAN meaning that there is no additional expense in acquiring third party analysis software.

ETHERANALYSER can display EC data using Strip charts and Phase planes, it allows the data to be zoomed, balanced, rotated, analysed and processed. Files can be imported from the equipment allowing multiple files to be opened at once through a simple drop down menu system.

The ETHERANALYSER is also set to work with Eddy Current Array Probe data very soon.

USING ETHERANALYSER FOR TUBE ANALYSIS

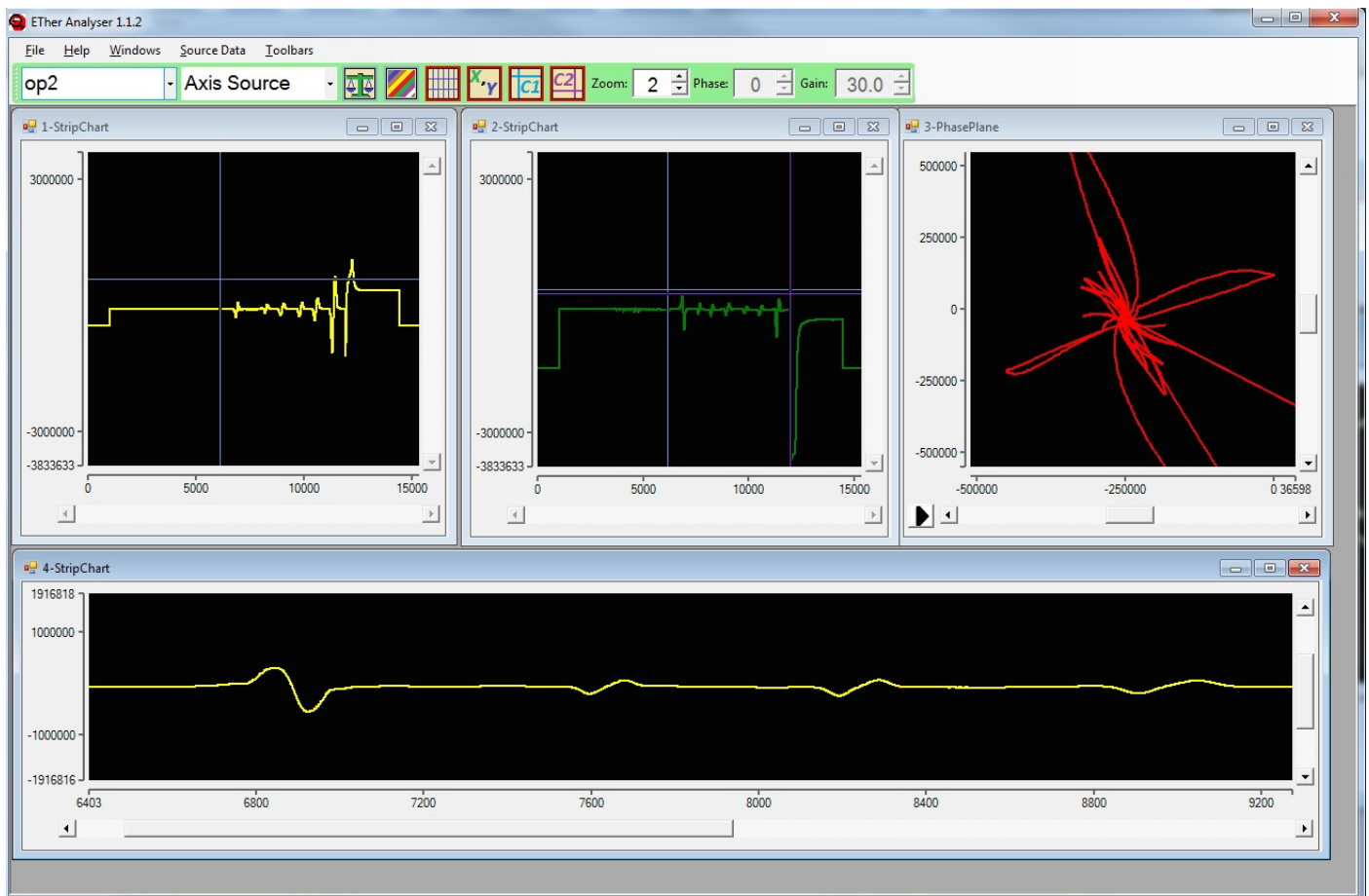


Figure 1: Data file from an ETi created using an ID (Bobbin) probe pulled through an ASMI test tube showing the X, Y and Phase Plane screens.

ADVANTAGES

- **Calibration Curve Creation Capabilities**
- **Automatic Identification Of Defect Size And Position**
- **Labelling Of Defect Functionality For Future Analysis**
- **Create A Table Of Tube Analysis Results Which Can Be Exported In TSD16, Multiview Or CSV Formats**

ETHERANALYSER has all of the features required for Eddy Current Tube Analysis, all the way from single tubes to systems with many hundreds. ETHERANALYSER has dedicated functionality for creating Calibration Curves. This then allows tube data to be quickly and easily analysed and defects characterised. If the analysed tube was part of a large array of tubes, for example in a heat exchanger, then the row and column position can be stored with the data in a table. This table can be exported in various formats, for example TSD16 (Tube Sheet Diagram 16), where the analysis results can be permanently stored and future NDT work can be planned.



Document number 5028: Issue 1